

19990727.qrp v01_n530.qrl.990727

Date: Tue, 27 Jul 1999 19:03:09 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1530

QRP-L Digest 1530

Topics covered in this issue include:

- 1) [46086] Almost QRP: VHF rigs for sale
by malman@world.std.com (Joel Malman)
- 2) [46087] TiCK SMT kits
by Roger Hightower <n7kt@earthlink.net>
- 3) [46088] BB # 22 Goes to DE
by Larry Cahoon <wd3p@juno.com>
- 4) [46089] Re: single paddle or dual paddle
by "Chuck Carpenter" <w5usj@globeco.net>
- 5) [46090] Re: BB #54 chased off the mountain by mother nature...
by david fouchey <dafouchey@home.com>
- 6) [46091] BB #15 Flight
by "Ron Polityka" <wb3aal@talon.net>
- 7) [46092] Re: Special Thanks
by Bob Nielsen <nielsen@primenet.com>
- 8) [46093] Re: DK9SQ Fiberglass Telescoping Tower
by w4du@bellsouth.net
- 9) [46094] QRP-L
by EBikales@aol.com
- 10) [46095] PSK31 on 12M?
by Lee Jarvis <l2jarvis@mindspring.com>
- 11) [46096] Wire / Rope Antennas
by hamjoel@juno.com
- 12) [46097] Pro-Am Antenna/Camera Tripod
by kevin walker <kb9nun@mpdr0.chicago.il.ameritech.net>
- 13) [46098] Re: SINGLE OR DUAL PADDLES??
by david fouchey <dafouchey@home.com>
- 14) [46099] Thanks
by Bob Hightower <ki7mn@extremezone.com>
- 15) [46100] Re: SINGLE OR DUAL PADDLES??
by Richard Rood <fcs@juno.com>
- 16) [46101] Re: FT-243 Crystals
by af852@rgfn.epcc.edu (William R Colbert)
- 17) [46102] Re: requesting QRP calling freqs.
by "Tom H" <biskit@snip.net>
- 18) [46103] Glacier Report (Final) (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 19) [46104] yee-hah! First 2N2/40 QSO HERE!

- by "Alex Mendelsohn" <ai2q@ispchannel.com>
- 20) [46105] Anyone tried the "14.4V 4000 mAh NiMh batts" from Murphy Surp?
by David Feldman <dggf@netcom.com>
- 21) [46106] Re: QST article on DX antenna
by Todd McCoy <kb4dpf@qsl.net>
- 22) [46107] Swarming Bees at Topsail island
by Paul Stroud <aa4xx@ipass.net>
- 23) [46108] Q-dope, solvents for polystyrene
by Mike Mullins <mmullins@mastnet.net>
- 24) [46109] Colophonium is rosin...
by Jeff Furman <jfurman@ocs.net>
- 25) [46110] Re: Pro-Am Antenna/Camera Tripod
by Dave Redfearn <n4elm@texoma.net>
- 26) [46111] On the road again!
by Richard Arland <k7sz@epix.net>
- 27) [46112] Re: Frequency Counter
by Russ Dow <n7dw@garlic.com>
- 28) [46113] Re: Frequency Counter
by "Michael A. Newell" <wb4huc@texas.net>
- 29) [46114] R5 matchbox repair
by Rich Bachmann <bachmann@ari.net>
- 30) [46115] Re: SINGLE OR DUAL PADDLES??
by RABRUNER@aol.com
- 31) [46116] BB #14 Results
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 32) [46117] Collins Mechanical Filter numbers
by "Bob Helms" <af5z@inetport.com>
- 33) [46118] Colophonium is rosin..
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 34) [46119] Re: QST article on DX antenna
by "George T. Baker" <w5yr@swbell.net>
- 35) [46120] Q-dope substitute - more experimental results - and expert testimony
by n5ib@juno.com
- 36) [46121] Reflector
by "George W. Lee" <k5ht@juno.com>
- 37) [46122] Single Lever Paddles
by "John L. Roblin - ElectronicsUSA.com" <wpc@west.net>
- 38) [46123] National Park Exp. INFO!!
by "Scott Robbins - VE7CCY" <kc_sr@hotmail.com>
- 39) [46124] FS: 38s kit w/ TiCK-1
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
- 40) [46125] Re: single paddle or dual paddle
by "Al Gritzmacher " <ae2t@arrl.net>
- 41) [46126] Re: SINGLE OR DUAL PADDLES??
by Bill B Lazure <n2tpa@juno.com>
- 42) [46127] Antenna Anthology orders
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 43) [46128] FS: TAC-1 40M

by "John R. Peregord Jr." <jrperego@alpha.delta.edu>
44) [46129] OT: Why no credit cards?
by Michael Bower <bowerm@ix.netcom.com>
45) [46130] Ethernet terminator for dummy load
by Michael Bower <bowerm@ix.netcom.com>
46) [46131] Re: SINGLE OR DUAL PADDLES??
by Barry J Minsky <w2bj@juno.com>
47) [46132] Re: Ethernet terminator for dummy load
by Arjen Raateland <Arjen.Raateland@vyh.fi>
48) [46133] Re: DK9SQ Fiberglass Telescoping Tower
by hb9dnn@gmx.net (Robert M. Ganter)
49) [46134] 38s w/ Tick-1 sold
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
50) [46135] Bad operating conditions in Greece
by hb9dnn@gmx.net (Robert M. Ganter)
51) [46136] re: SD-20 still available?
by "Buck, Preston D" <BuckPD@corning.com>
52) [46137] Bumblebee #90 Report
by Ken Edwards <ken.edwards@oit.gatech.edu>
53) [46138] Re: FT243 Crystals
by af852@rgfn.epcc.edu (William R Colbert)
54) [46139] homebrew G5RV antenna?
by David J Zolin <kb3dzh@juno.com>
55) [46140] Radio Shack closeouts and specials
by David J Zolin <kb3dzh@juno.com>
56) [46141] AZ ScQRPions (longish)
by Bob Hightower <ki7mn@extremezone.com>
57) [46142] Antenna Anthology
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
58) [46143] Re: OT: Why no credit cards?
by GElam30092@aol.com
59) [46144] Re: OT: Why no credit cards?
by Bruce Grubbs <bog@flagstaff.az.us>
60) [46145] BB 31 Report
by Jeff Grudin <grudin@pacific.vdbs.com>
61) [46146] Need VBJANT.ZIP
by David Shalita <af389@lafn.org>
62) [46147] Prohibited transmissions
by John R Kirby <n3aaz-qrp@juno.com>
63) [46148] Field Day Deadline Reminder
by N9DD@aol.com
64) [46149] Vicarious happy dances
by PDouglas12@aol.com
65) [46150] Re: Prohibited transmissions
by HWRM1SS@aol.com
66) [46151] Re: Antenna Anthology
by Bruce Muscolino <w6toy@erols.com>
67) [46152] Radiotron Handbook on CD ROM

by Larry East <w1hue@amsat.org>
68) [46153] FS/ W7EL design transciever
by Mercxx@aol.com
69) [46154] 12V Gel Cell Charger Circuit
by wgabriel@dukeengineering.com
70) [46155] Re: 12V Gel Cell Charger Circuit
by Arjen Raateland <Arjen.Raateland@vyh.fi>
71) [46156] FW: Re: 2N2/40 PA Heatsinks
by Tayloe Dan-P26412 <Dan_Tayloe-P26412@email.mot.com>
72) [46157] Re: OT: Why no credit cards?
by "Hugo Catta" <h.catta@worldnet.att.net>
73) [46158] Re: FW: Re: 2N2/40 PA Heatsinks
by Arjen Raateland <Arjen.Raateland@vyh.fi>
74) [46159] mw signals
by Richard Rood <fcs@juno.com>
75) [46160] Re: 12V Gel Cell Charger Circuit
by Arjen Raateland <Arjen.Raateland@vyh.fi>
76) [46161] Re: Antenna Anthology
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
77) [46162] System Computer Clocks on PCs
by "Chuck Adams K5F0" <adams@ticnet.com>
78) [46163] AZ ScQRPions Are Tops!
by "Doug Hauff" <slmachco@fix.net>
79) [46164] Re: Vicarious happy dances
by Gary L Surrency <gsurrency@juno.com>
80) [46165] RE: System Computer Clocks on PCs
by "Tracy" <tracy@bytemark.com>
81) [46166] RE: Increasing CW TX Speed
by "Chuck Adams K5F0" <adams@ticnet.com>
82) [46167] Re: System Computer Clocks on PCs/URL SITE
by Mike Souhrada <wb9iog@revealed.net>
83) [46168] Re: OT: Why no credit cards?
by "Steven Weber" <kd1jv@moose.ncia.net>
84) [46169] Re: 2N2/40 PA Heatsinks
by Tayloe Dan-P26412 <Dan_Tayloe-P26412@email.mot.com>
85) [46170] RS Insulators
by DENNISMO@aol.com
86) [46171] Re: Prohibited transmissions
by ka7you@juno.com
87) [46172] Tuthill Building Contest Winners/Prizes
by Brian Kassel <bkassel@dancris.com>
88) [46173] For sale MFJ's 9020, 9030 CHEAP!!!!
by Jeff <fantbb@yahoo.com>
89) [46174] Manuals
by malman@world.std.com (Joel Malman)
90) [46175] Re: System Computer Clocks on PCs
by "Carl Zmola" <zmola@campbellsci.com>
91) [46176] Play a text file in CW?

by "Mont Pierce, KM6WT" <montp@synacom.com>

92) [46177] Boston
by Brad Mugleston <bmug@gwl.com>

93) [46178] 12V Gel Cell Charger - Addendum
by wgabriel@dukeengineering.com

94) [46179] 12V+ solar panel that's close to 8x8"?
by Wayne Burdick <n6kr@elecraft.com>

95) [46180] RE: Play a text file in CW?
by "Mike D." <hrg@megsinet.net>

96) [46181] Still out of work, stuff for sale
by Bradford D Bilbrey <bigdawg74@juno.com>

97) [46182] Emtech NW 40 for sale again
by Jess Gypin <jessqrp@concentric.net>

98) [46183] Re: OT: Why no credit cards?
by "Francis Callahan" <colcal@srv.net>

99) [46184] INFO PAGE FOR ARGONUAT 515
by Roy <marion@montana.com>

100) [46185] FS QRP AMP
by RangerSF5@aol.com

101) [46186]
by Lee Jarvis <l2jarvis@mindspring.com>

102) [46187] Re: 12V Gel Cell Charger - Addendum
by Arjen Raateland <Arjen.Raateland@vyh.fi>

103) [46188] FS: SW40+ and WM20
by Lee Jarvis <l2jarvis@mindspring.com>

104) [46189] Identifying bipolar transistors [long]
by Ted Beach <k4mkx@netzero.net>

105) [46190] Re: Q-dope substitute - more experimental results - and expert testimony
by "Ted Williams" <tedw@btinternet.com>

106) [46191] Re: Ethernet terminator for dummy load
by Todd McCoy <kb4dpf@qsl.net>

107) [46192] O.T. NETDUMMY HUMOR
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>

108) [46193] Re: Q-dope substitute
by Bruce Kizerian <kizerian@ced.utah.edu>

109) [46194] Re: homebrew G5RV antenna?
by Todd McCoy <kb4dpf@qsl.net>

110) [46195] System Computer Clocks on PCs
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>

111) [46196] Re: O.T. NETDUMMY HUMOR
by "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>

112) [46197] Toner Transfer System
by Davewb4@aol.com

113) [46198] Paddle handles broken or unattractive?
by "Phinizy, William" <wphinizy@filenet.com>

114) [46199] Re: Ethernet terminator for dummy load
by david fouchey <dafouchey@home.com>

115) [46200] Re: OT: Why no credit cards?
by "Marshall Emm" <mgemm@mtechnologies.com>
116) [46201] RE: 2n2/40
by "Phinizy, William" <wphinizy@filenet.com>

Date: Mon, 26 Jul 1999 19:04:36 -0400 (EDT)
From: malman@world.std.com (Joel Malman)
To: qrp-l@Lehigh.EDU
Cc: k1qm@world.std.com
Subject: [46086] Almost QRP: VHF rigs for sale
Message-ID: <199907262304.AA11027@world.std.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks,

I have two VHF HT's for sale, both QRP. Both are still current rigs, sold by retailers (such as HRO), so details are available in the current catalogs and/or on the web. I have used both these rigs while hiking in the upstate NY woods in the Simplex mode. They both easily hit most all the local repeaters within 20 or so miles -- no problem.

#1 ---

KENWOOD Model TH-22AT -- 2 meter HT. Standard battery yields 3 watts. I will supply a HI-power battery for 5 watt output (PB-34) and a battery holder for Ni-Cads, etc cells (BP-9). RX: 136-174 Mhz. 40 Memory channels, etc. Comes with standard rubber duck and wall charger. Manual, original box, etc. Price new, listed in HRO catalog: \$190.00, without the extra battery or Ni-Cad case. My price: \$100.00 (with the extras).

#2 ---

STANDARD Radio Model 508A -- dual band 2 meter and 70 cm HT. Output 300 mw. Runs on (2) Ni-Cads or standard AA batteries. RX: 100-180 Mhz, 340-400, 400-480, and 700-900 Mhz (but input is not really 'hot' on 700--900 Mhz). 60 memory channels. Comes with manual, duck antenna and original box. I will supply free: 2 Ni-Cads, leather case, and an extended antenna. HRO price without the extras: \$270.00 My price: \$100.00 (with the extras).

Such a deal...

These prices are for QRP-L folks, or someone you know who is just starting out in Ham Radio. Price includes CONUS (lower 48 state) shipping.

--

/joel K1QM Concord, MA
QRP-L 337, QRP-ARCI 9305

Date: Mon, 26 Jul 1999 16:34:40 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [46087] TiCK SMT kits
Message-ID: <379C8E20.300B0A4A@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to the guys at Embedded Research, who donated the kits to Doug, KI6DS, we got a shot at building these at Fort Tuthill.

Not much to them...a tiny board (abt 1 inch on a side), a resistor, capacitor, transistor and the PIC microcontroller. One momentary switch, two 1/8 jacks and a transducer complete the package.

What a sight! All these folks lined up at the benches, hunched over teeny little boards, looking for even teenier little pieces, and all muttering to themselves. Actually, the hardest part was getting the components out of the packaging.

Thanks to Mike Wyman, W1DRY for supplying soldering stations and tools, including magnifiers for them that needed 'em. It probably took only 20 minutes or so to build the kit, but might even go faster if you have SMD experience. It took me longer to put it in a case after I got home.

No hints or tips here...the instruction sheet is clear and easy to comprehend, and the operating instructions are simple. One button does it all, and once you have the hang of it, it is quite simple. I ended up putting mine in a garage door opener case, since the piezo transducer and battery holder are larger than the PC board...it fits well, and I'll use it in my mobile setup.

This was a really fun project, since I had never done any surface mount stuff. Working with flea-sized components wasn't as bad as I had thought, since there was no tendency for them to jump off the board. The end result is a nice, compact and functional keyer. You really need one.

No connection with Embedded Research.....I just really like this product. I may have to get more to put inside my little rigs.

It sure livened up the QRP area of the hamfest.

72....Roger

--

73, de Roger, N7KT

qrp-1 #62, NorCal #1099, Zombie #006

Mesa, AZ 85202

Date: Mon, 26 Jul 1999 23:36:28 +0100

From: Larry Cahoon <wd3p@juno.com>

To: qrp-1@Lehigh.EDU

Subject: [46088] BB # 22 Goes to DE

Message-ID: <19990726.233628.4062.0.wd3p@juno.com>

This was one fun contest!!!!

I was up early Sunday morning to finish the packing for the contest. The forecast for the day was mostly clear and high in the upper 90's. I didn't even want to hear the heat index. The target was Lum's Pond State Park in New Castle county, DE about 110 miles away. I got there in plenty of time to explore the place and even looked for a good spot along the nearby Chesapeake and Delaware Canal. No luck there so back to the park. The main attraction there is a lake with a 7 or 10 mile loop around the park. You pick which trail you want to take. The ranger at the entrance station warned me you were not to tie things to the trees to the ranger might make me take the antenna down. I just said I won't tie anything I'll just throw it over the tree.

A parking spot was found near the boat launch and off on the trail I went, looking for a place in the woods to set up. I ended up at to the campground in the park and found an empty campsite with a nice picnic table a few trees to hold the antenna and provide some shade. In the spirit of CQC's run to the trees I wanted see how fast I could get on the air. The backpack was take off at 1646z and the first QSO was at 1713 with Bee #2 - W0CH. Now that was not a bad start.

Equipment was the Sierra with an inverted V with disconnects so it could be used on 40, 20 and 15. 40M ended up to be the most productive band even though I spent the most time on 20. The one try for 15 meters netted no contacts. The band seemed dead except for one bee who could not hear me.

For about half the contest I had a local camper for company. He seemed amazed at what could be done with so little. After sitting at the sit for well over two hours I noticed smoke form a neighboring campfire. Some one

had left without putting out their fire as well as they should. With the brief wind that picked up the embers had rekindled. So over I went on fire brigade and put out most of it and kept an eye on it from there on. Eventually the ranger came along He didn't care about the antenna in the trees. His biggest concern was that I had actually paid the required \$5.00 fee for using the park He was glad when I mentioned the fire and checked on it and then sent over the maintenance crew to be sure it was out.

Net take for the contest was 28 QSOs, split 12 on 20M and 16 on 40M with 10 bees. Still haven't worked out the score. The west coast could be heard, but not worked except for N6WG. Still it was a fun contest. The goal for next year is to find a higher tree. Hopefully a few who need DE got it

73/72 de Larry.....WD3P.....#22 in DE

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Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Mon, 26 Jul 1999 18:49:16 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: bowerm@ix.netcom.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [46089] Re: single paddle or dual paddle
Message-ID: <3.0.2.32.19990726184916.007ab7a0@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Michael,

I have one of each as it happens. I used a bug for years so I started with a single paddle Vibroplex key. Along the way, I wound up with a dual paddle Bencher key which I also use. I don't do iambic so I side swipe both of them. To achieve faster speed, I set the contact space as close as I can to minimize the amount of travel from side to side. I can easily send 50 wpm with a little practice after changing speeds. I don't need to as I stay around 15 to 20 wpm most of the time.

Iambic squeeze keying is by far the most efficient in terms of motion required to make the characters. If you intend to send and receive at high speeds on a regular basis, then go iambic with a dual paddle key. You may want to try several key designs too. The Bencher I use has wide paddle spacing. Some prefer the paddles to be closely spaced.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Mon, 26 Jul 1999 20:04:54 -0400
From: david fouchey <dafouchey@home.com>
To: kb0vcc@rocketmail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46090] Re: BB #54 chased off the mountain by mother nature...
Message-ID: <379CF7A5.2EE53C80@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Dale discretion is the better part of valor! Trust me when I say this lightning HURTS, you did the right thing.

72/73

Dave
WA4EMR

KB VCC wrote:

>
> My apologies to all who were doing the ARS BB thing and
> were expecting to hear #54 from NH...
>
> Saturday night, I checked the alignment of the OHR500
> and loaded up the backpack with everything I'd ever
> need. I was packed heavy, but probably more prepared
> for this event than I was for any of its kind. With
> water, it weighed in at 65 pounds! Sunday morning, I
> awoke to fog and drizzle. Not one easily dissuaded, I set
> out on the trail head at 11:00. The destination, was
> Kearsarge North. (NOTE: This is the Kearsarge Mtn in
> Intervale, NH, NOT the one in the southern part of the
> state). At the summit is a fire tower that I planned to
> operate from using a 100' random wire fed thru an MFJ
> transmatch. I selected this site because of its remoteness
> to RFI and relative ease of access.
>
> The trail head sign said 3.0 mi. By this time, there
> was a light rain but my gear was wrapped in plastic
> inside the pack. Fifteen minutes into the hike, I
> could hear distant rumbling to the NW. I figured I'd
> continue in hope of it passing to the North. WRONG!
> Another 45 minutes into the hike, I was nearing the

> summit (Yes, I hike HARD and FAST). The sky then opened
> up. Torrential rain! Hail! Wind! Lightning strikes
> were pounding all around me with little to no delay to
> the thunder. I got SCARED! What was I to do? Continue
> to the summit and seek shelter on the top of the mountain
> in a steel fire tower? NOT! I regretfully turned
> around and started my descent. Within minutes, the
> trail turned to a rapidly moving stream of mud and rocks,
> washing the ground out from under my feet. The lightning
> was relentless! Finally making it back to my car I
> thanked god for my preservation.
>
> So, go ahead. Call me a coward! A quitter! A sissy!
> ...but at least I'm still alive. Dissapointed to tears
> for the effort I put forth, but alive to try again
> next year.
>
> Congratulations to all those successful Bees and many
> thanks to ARS for once again hosting this challenging
> event.
>
> 72/73,
> -Dale
>
> =====
> Dale Anderson In the Mt Washington Valley
> KB0VCC Conway, New Hampshire
> QRP-L #91 / CQC #251 Grid Sq: FN43KX
> ARS #234 / FISTS #3172 <http://www.qsl.net/kb0vcc>
> =====
>
> -----
> DO YOU YAHOO!?
> Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 26 Jul 1999 20:11:31 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [46091] BB #15 Flight
Message-ID: <017201bed7c4\$95521920\$25e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well I had a blast, good old Murphy strikes again.

I planned to go to a spot called Pulpit Rock on the Appalachian Trail for the Bumblebee Contest. I was going to ride my mountain bike up the trail. At 8:30 AM I looked at the temperature, it was already 87°F with the expected Heat Index to hit 105°F. At that time I decided not to ride the trail and to hit one of the parks in town. So I got on my bike and road to 2 that are near by. When I got to the second park I found my operating location. This was only 1 1/2 blocks away from my QTH but higher in elevation. I rushed home and loaded up the bike. I started to un-pack the crate and going over everything before I hung the antenna. I realized that I forgot to pack the cord for the Whiterook Keyer, I remembered to bring the spare battery. So I packed up and rode home to get the cord. Boy am I glad that I didn't do Pulpit Rock.

The first thing I did after the contest was to post my score on the ARS Web Page. I was glad to get inside, because the temperature at 5 PM was 100°F.

I would like to thank everyone that hung in there with me during our contacts. I had a S-5 noise on all the bands. When I got home I found a bad patch cable between the equipment.

I was operating in Hampden Park, Reading, PA.
I was using the following:

watts	Ten-Tec Argonaut 515, 5
	The Killer Vertical from QST
	MFJ- 971 QRP Tuner
	Whiterook MK-65MB Keyer
	4' Ground Rod

I made a total of 25 contacts:

pts.	4 Q's \ 40 Meters = 4
pts.	17 Q's \ 20 Meters = 34
pts.	4 Q's \ 15 Meters = 8

46 pts.

Total of 8 BB Contacts 8 x 3 = 24 24 x 46 = 1,104 Total Score

Sorry to those guys that were calling me, the QRN was bad!

I just made up my mind, I am going to place an order for a K2.

See you next time!

72 & 73
Good DXing
Ron de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
 Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal #	Zombie #625
ARS # 380	Bumblebee #15

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>

Date: Mon, 26 Jul 1999 17:20:32 -0700
From: Bob Nielsen <nielsen@primenet.com>
To: qrp-l@lehigh.edu
Subject: [46092] Re: Special Thanks
Message-ID: <19990726172032.B349@bob>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I second that. I had pre-registered but didn't expect such a quality badge. Thanks, Lori.

I was recruited to help out with the V.E. code testing and that was a lot busier than I expected, so I didn't get to spend as much time at the qrp session as I had hoped. This also caused me to miss out on the mad dash for DSW rigs. We tested over 60 people with over 40 passes (approximately 15 took the code test, evenly split between 5, 13 and 20 wpm).

Bob, w6swe

On Mon, Jul 26, 1999 at 01:30:11PM -0700, Bob Hightower wrote:

> Folks, a lot of people deserve a word of thanks for helping out at Ft
> Tuthill, and we'll get to that shortly, but I want to send a special thanks
> to Loretta 'Lori' Parker, N6WGC, for making the badges for those who
> pre-registered. This great looking badge drew a lot of comment, and quite a
> few 'where can I get one of those' from others at the Hamfest.
>
> I know she has made them for several other events, but I just want to say
> how much we appreciate it, and let the list know that there are a lot of
> supporters out there hiding in the woods.
>
> Thanks, Lori!
> 72,73
> Bob Hightower KI7MN
>
> <http://www.extremezone.com/~ki7mn>

--

Bob Nielsen	Internet: nielsen@primenet.com
Tucson, AZ	AMPRnet: w6swe@w6swe.ampr.org
DM42nh	http://www.primenet.com/~nielsen

Date: Mon, 26 Jul 1999 20:32:08 -0400
From: w4du@bellsouth.net
To: bcotter@pop.uky.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46093] Re: DK9SQ Fiberglass Telescoping Tower
Message-ID: <379CFE08.698FFF00@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>
>
> At the Cincinnati Hamfest this weekend, I had the opportunity to
> see firsthand one of the DK9SQ fiberglass telescoping towers. DK9SQ
> also displayed an add-on product to the tower, a lightweight
> "vertical-loop antenna". This kit consists of a pair of fiberglass
> arms, mast mounting assembly, 4:1 balun and wire to form what
> appears to be a quad loop. I'm not sure how this match across the
> 40-10m range,

I used the Dk9SQ mast and add on loop antenna at the beach last month.
I used my K2 at 4 watts and a ZM-2. The loop tuned well on all bands.
I worked europe nightly on 40 and was able to work all over USA, Europe
and into Indonesia on 18 mhz. I also used it to support an inverted Vee
fed with ladder line with very good results. It does go up very
quickly and packages into an easily carried array.

I have no commercial interest, just enjoyed the antenna.

72/3,
Ken
W4DU

Date: Mon, 26 Jul 1999 20:32:57 EDT
From: EBikales@aol.com
To: qrp-l@lehigh.edu
Subject: [46094] QRP-L
Message-ID: <9d9aba44.24ce5839@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have no idea what happened but ever since my last posting, I no longer
receive QRP-L digest mode. I get nothing from QRP-L. I've tried inquiries
and emails, but with no success. Since I continue to get my email from AOL,
I'm thinking it's not an AOL issue, but who knows? Anybody got any ideas
how to correct this?
Eric Bikales
AC6NT

Date: Mon, 26 Jul 1999 20:32:10 -0400
From: Lee Jarvis <l2jarvis@mindspring.com>
To: qrp-l@Lehigh.EDU
Subject: [46095] PSK31 on 12M?
Message-ID: <3.0.6.32.19990726203210.007b3ca0@mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Is anyone operating this mode on 12M? Where?

72,
DE KN4VN

Lee

Date: Mon, 26 Jul 1999 20:58:49 -0400
From: hamjoel@juno.com
To: qrp-1@lehigh.edu
Subject: [46096] Wire / Rope Antennas
Message-ID: <19990726.210749.-211049.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

High gang:

well now that I got Tim in NM on the line it's time for something new...

I took the three element yagi down and have only a dipole up about 50ft... along with an eighty meter inverted vee I added...

I am listening to the net on 7.233.5 and stations that were consistantly over s9 are now s7... signals are noticeably lower...

However... Fear Not...

I have been wanting to put up two elements on eighty meters and now seems a good time to try...

by the way... what is a good freq to pick on eighty???

Here is the deal:

I'm going to leave the eighty and forty meter driven elements connected to one coax and seperate the elements by two feet using wooden dowels...

wherever the forty meter element ends I'm going to connect it and the eighty meter element to the wooden closet rods I'll be using to hold the antenna apart... I WILL LET THE extra length of EIGHTY METER ELEMENT JUST DROP STRAIGHT DOWN...

fourteen feet away I'll put a director for forty meters and 28ft away I'll put a Director for eighty meters... again letting the excess eighty meter length just hang straight down...

The antenna will be 66ft flat on top, which will take care of 40 mtrs and with the extra length of eighty meter element hanging over the wood dowell I guess it will be technically end loading the eighty meter element... who knows... I am only interested in it working...

should be neat... 28ft of dowel on either side.... and two elements on forty and eighty... should be about 4db gain.... I hope....

Joel KE1LA

In Maine

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Date: Mon, 26 Jul 1999 20:13:09 -0500
From: kevin walker <kb9nun@mpdr0.chicago.il.ameritech.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [46097] Pro-Am Antenna/Camera Tripod
Message-ID: <379D07A5.940A45C0@mailhost.chi.ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I recently picked up a 40m Pro-Am whip to use while camping. I have set it up on a camera tripod (electrical box attached to the tripod) and a mag mount. I'm using my SW40+ with a tick keyer. I am having problems getting it set properly. A local ham suggested I use 2 radials at about 33' each which I have tried. I have also tried 4 radials each the length of the entire whip which is about 8' (from a QST article), still no luck. The SWR is very inconsistent and sometimes even stops the rig from transmitting.

So, may I humbly ask "what am I doing wrong?"

Kevin/KB9NUN

Date: Mon, 26 Jul 1999 21:25:36 -0400
From: david fouchey <dafouchey@home.com>
To: mgemm@mtechnologies.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46098] Re: SINGLE OR DUAL PADDLES??
Message-ID: <379D0A90.33237BCA@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Vibroplex has a single paddle Vibrokeyer non iambic paddle.

<http://www.vibroplex.com/>

<http://www.vibroplex.com/pics/vibkblk.jpg>

Marshall Emm wrote:

>
> Hi, Brad, Gang--
>
> >>NOBODY (???) makes a non-iambic keyer anymore, and for the life of me I
> can't think of a single lever paddle on the market anymore either,<<
>
> I don't know of any non-iambic keyers being made now but the keyer in the
> Russian "Key 8" keyer paddle, which is still available, is non-iambic. I've
> sold several to OT's moving "up" from a bug. And some of the more "advanced"
> iambic keyers can be programmed for bug and/or non-iambic operation.
>
> There are a few single lever paddles around-- Hi-Mound's MK705, and G4ZPY's
> Model 14 to name two. I think singles are still available from both Bencher
> and Vibroplex, although those are both "locked" versions of the dual paddles.
> And I think Whiterook makes one too, don't you, John?
>
> Probably there are others around that I just haven't found yet. There is a
> surprisingly high demand for them.
>
> Many dual lever paddles can be "wedged" or locked so that they won't squeeze--
> sometimes you have to back the adjustments off so that the levers can move
> "backwards" a bit.
>
> 73
> Marshall Emm
> N1FN/VK5FN
> n1fn@MorseX.com
> Morse Express and Oak Hills Research
> "Everything for the Morse Enthusiast"
> <http://www.MorseX.com>
> <http://www.ohr.com>
> (303)752-3382
> --

Date: Mon, 26 Jul 1999 18:38:55 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: qrp-1@lehigh.edu
Subject: [46099] Thanks
Message-ID: <199907270131.SAA10054@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>From the notes I've seen so far, those who attended the AZ ScQRPions symposium at Ft Tuthill enjoyed themselves, and I'm happy for that. But it wouldn't have been possible without the support of the 'worker bees', those behind the scenes.

I'd like to publicly thank Joanna Jones, XYL to Brian Kassel W5VB0, Melissa Surrency KC7MML and my own XYL Bertie N7XJW for their superb job in manning the ScQRPions booth for the weekend. Things got hectic at times, particularly when Dave Benson NN1G showed up with his kits, but they did an outstanding job of keeping things on track, and keeping customers happy.

Jamie Johnson KC7MQY and her sister Haley (sp?) did a great job with the campsite, keeping track of who was where. Jamie even went so far as to draw a map of the site, which we will use in the future, believe me! There were far more campers than we had expected at the beginning, so this was a big job. BTW, Jamie had time to build one of the TICK SMT kits, and did a great job on that. Now, Dad has to get her a kit to put it in :^).

Kent Torell AB70A and Joe Gervais AB7TT 'manned' the Tuna Tin 2 station on Friday and Saturday, letting a large group of hams make QSO's with the original rig. Lots of interest here, as well.

Jerry Haigwood coordinated the building contest, and he had 21 entries, much more than we had hoped. Some real good stuff here, and I'm sure he'll post more details on this.

John Nystadt KJ7YN kept the door prize drawings moving along, and helped keep the presentations at the symposium on schedule, as well. With 35 door prizes to be kept track of and handed out, he had his hands full all day Saturday.

And, most especially, thanks to all who attended. Of those pre-registered, nearly all made it, as well as a flock of walk-ins who joined in the fun. QRP wouldn't be fun without all the fine people involved, at whatever level. Old friendships were renewed, new ones made, and everyone enjoyed themselves.

Thanks also to all the vendors/manufacturers who provided the door prizes and offered support. It's really gratifying to see the number of them growing, and to see the products offered expanded to include every facet of QRP operating.

Hope to see all of you again next year, and to see many of you who couldn't make it this year.

72,73

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

Date: Mon, 26 Jul 1999 21:34:06 EDT
From: Richard Rood <fcs@juno.com>
To: mgemm@mtechnologies.com
Cc: qrp-1@Lehigh.EDU
Subject: [46100] Re: SINGLE OR DUAL PADDLES??
Message-ID: <19990726.213252.5063.0.fcs@juno.com>

I think the Ten-Tec Model 607 single keyer paddle is still currently listed. I've got one that works great. Its rather large but feels good, with a weighty box so it doesn't slide around.

dick,w2scf

On Mon, 26 Jul 1999 16:58:26 -0600 "Marshall Emm" <mgemm@mtechnologies.com> writes:
>Hi, Brad, Gang--
>
>>>NOBODY (???) makes a non-iambic keyer anymore, and for the life of
>me I
>can't think of a single lever paddle on the market anymore either,<<
>
>I don't know of any non-iambic keyers being made now but the keyer in
>the
>Russian "Key 8" keyer paddle, which is still available, is non-iambic.
> I've
>sold several to OT's moving "up" from a bug. And some of the more
>"advanced"
>iambic keyers can be programmed for bug and/or non-iambic operation.
>
>There are a few single lever paddles around-- Hi-Mound's MK705, and
>G4ZPY's
>Model 14 to name two. I think singles are still available from both
>Bencher
>and Vibroplex, although those are both "locked" versions of the dual
>paddles.
>And I think Whiterook makes one too, don't you, John?
>
>Probably there are others around that I just haven't found yet. There
>is a
>surprisingly high demand for them.
>
>Many dual lever paddles can be "wedged" or locked so that they won't

>squeeze--
>sometimes you have to back the adjustments off so that the levers can
>move
>"backwards" a bit.
>
>
>73
>Marshall Emm
>N1FN/VK5FN
>n1fn@MorseX.com
>Morse Express and Oak Hills Research
>"Everything for the Morse Enthusiast"
><http://www.MorseX.com>
><http://www.ohr.com>
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>--

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Date: Mon, 26 Jul 1999 19:41:06 -0600 (MDT)
From: af852@rgfn.epcc.edu (William R Colbert)
To: n0bs@compaq.net, qrp-1@lehigh.edu
Subject: [46101] Re: FT-243 Crystals
Message-ID: <199907270141.TAA23662@rgfn.epcc.edu>

Earlier today I mentioned the PR Crystal Company out of
Council Bluffs, Ia, but my files directory would not cooperate
with the address which is now listed below:

PR CRYSTALS
Peterson Radio Co. Inc.
2735 Avenue A
council Bluffs, Ia 51501
712-323-7539

And the last time I had been in contact, they had a nice
little info sheet with pricing, circuits, etc. much like
what CW Crystals had done in the past.

73
Ray

--

Ray Colbert, W5XE
OOTC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Mon, 26 Jul 1999 21:48:06 -0400
From: "Tom H" <biskit@snip.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [46102] Re: requesting QRP calling freqs.
Message-ID: <014401bed7d2\$12eedaa0\$124fccd1@hybiske>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Man, what a list! Ask, and ye shall receive! Thanks to all who responded.
I'm on the air "al fresco" with a Ten-Tec 515, and 556 while the shack and
tower are being rebuilt. Hope to run into you all on the air! Tnx agn es 7
3,
Tom K3GM

Date: Mon, 26 Jul 1999 19:52:56 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>
Subject: [46103] Glacier Report (Final) (fwd)
Message-ID: <Pine.LNX.3.95.990726195033.4021B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...oooopps....typo error....Heinz's call is VE6AQW not VE6EQW.....many
thanks to Duncan for noticing this.... ;-)

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

Date: Mon, 26 Jul 1999 22:08:21 -0400
From: "Alex Mendelsohn" <ai2q@ispchannel.com>
To: <jokortge@cwix.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [46104] yee-hah! First 2N2/40 QSO HERE!
Message-ID: <000301bed7d4\$e671aa40\$5c32a7d0@mendelsohn.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi folks:

Well, this evening I finished the output filter section on my 2N2/40 rig. With much trepidation (I think my hands were shaking) I connected it to my antenna tuner and hitched up a trusty Vibroplex bug to the keying line.

Everything was connected on the operating table with clip leads! No cabinet yet; just the boards resting on a sheet of plywood.

I adjusted the 100-ohm drive pot to a low point. I actually pre-set it to 25 ohms before firing up the rig. I don't have any way to measure output power yet, so I thought I'd tickle the PA just a tad and see how hot the heatsinks get.

Next, I adjusted my tuner using my Omni-V. I did this because Preston tells me the 2N2222 finals are very intolerant of high VSWR. So, I took the precaution to ensure the lil critter was looking into a nice low-Z unbalanced load. My tuner is a homebrew balanced affair that feeds open-wire line to a doublet that's roughly two half waves in phase on 40 meters. It's up about 60-feet, suspended between the trees with a system of halyards and counterweights.

I tuned around and heard VE4WSB calling CQ. Lo and behold, he's signing/M. "He's mobile," I think. "Will he hear me?"

Of course dudes! It's QRP !! We don't need no stinkin' power. Not tonight. (QSO'd 27 july 1999 from 0130z to 0134z on 7030 kHz).

I got a 599 report from Larry, stuck in traffic in downtown Ottawa. No matter how many times I operate QRP it never fails to amaze me, but this was special. He also ack'd me with a "FB" when I told him I was QRP wid a homebrew transceiver!

My sincere thanks to AA1MI, Paul, for encouraging me to build this rig, and thanks to Preston and others for feedback along the way over the past few weeks.

Vy 73, AI2Q, Alex in Kennebunk, Maine (Now on to putting it all in an enclosure and adding metering, etc.--what the ricebox gang call bells-and-whistles. Har har).

.-.-.

Date: Mon, 26 Jul 1999 19:13:52 -0700 (PDT)
From: David Feldman <dgf@netcom.com>
To: qrp-1@lehigh.edu
Subject: [46105] Anyone tried the "14.4V 4000 mAh NiMh batts" from Murphy Surp?
Message-ID: <199907270213.TAA05945@netcom11.netcom.com>

I bought a few of these batteries and with the one I've tried, it behaves very much like a NiCd of about 3AH capacity - the end-of-charge voltage dip is quite pronounced, and it takes a full charge after about 5 hours at 650 mA or so; I've cycled it several times and this seems to be what it will do.

The battery is seen at:

http://209.239.34.153/murphyjunk/SPECIALS_UPDATED_FREQUENTLY

I asked them if they had any more info on the batteries and they said not - altho they are claimed new, the look like they were removed from equipment (that might have been new) as they've been soldered to.

Anyway, they're basically useful anyway, but I'm uncertain of how to treat them for charging purposes if they're not actually as claimed.

73 Dave WB0GAZ dgf@netcom.com

Date: Mon, 26 Jul 1999 22:06:45 -0400
From: Todd McCoy <kb4dpf@qsl.net>
To: w9zm@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46106] Re: QST article on DX antenna
Message-ID: <379D1434.1751CFA3@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Duane Alles wrote:

> Hi All,
> Does anyone have the specs on the killer dx antenna article a few
> months back in qst? It was an elevated ground plane fed with 450 ladder
> line.
>
> Thanks in advance.
> 72,
> Duane, w9zm
>
> -----
> Do You Yahoo!?
> Get your free @yahoo.com address at <http://mail.yahoo.com>

4 pieces of wire 33' in length.
1 Vertical radiator
3 (nearly) horizontal radials
Feed with 450 Ohm ladder line.
Suspend from convenient tree.

I tried to use this antenna at field day, but something went wrong. I don't know what I did wrong, didn't have time to figure it out, just punted and threw up a dipole (with 2 minutes to spare before starting time). I intend to build the antenna again, it seems like such a good idea :)

These dimensions are for 40 meters.

72/73

--

Todd McCoy: QRP-L #1823 | 10-X 70500
KB4DPF - Gloucester Co., Virginia
37.2950 N, 76.4154 W | Grid: FM17
<http://www.qsl.net/kb4dpf>

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Date: Mon, 26 Jul 1999 22:31:41 -0400
From: Paul Stroud <aa4xx@ipass.net>
To: klqrp <klqrp@waterw.com>

Cc: Derek Brown WF4I <dbrown@rfmd.com>, QRP-L <QRP-L@lehigh.edu>
Subject: [46107] Swarming Bees at Topsail island
Message-ID: <379D1A0D.8983A9A1@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

It has been fun reading accounts of your Bumblee Adventures. Thanks for passing your stories our way.

Three KnightLites (WJ4P, AE4YQ, and AA4XX) set up our station on lovely Topsail Island, NC with several hundred yards of salt water looking westward. We used the KL call, WQ4RP.

Randy-WJ4P, was anxious to test his new (and I do mean brand new!) K2, along with a vertical that he built for FD. This 20M antenna is 34 feet long, and is known as a "capacitively stretched" vertical. Given its relatively high feedpoint Z (150-200 ohms) and its proximity to the salt water, the Joustier was a tremendous low-loss performer. Tests with a reference 20M inverted vee up 33 feet favored the vertical in most cases.

>From our location, the activity on 20M was quite frenetic, with respectable signals throughout the East Coast and Midwest. Not many West Coast stations were heard, though. Still, there were a LOT of stations chasing Bumblebees the entire four hour period.

15M was a different story. Bill, N8ET was the strongest signal we heard on 15M. The West Coast stations were quite weak on our inverted vee, but their great ears pulled us through. It was especially neat to work the tag-team BB duo, W7EL and AA7QU on 15M...

Randy's new K2 worked fabulously. We all had a big laugh when, toward the end of the contest, the low battery monitor sounded its warning, and the rig kept pumping out 5W even when the battery dropped to 8.8 volts!

A number of visitors stopped by to see what in the world we were up to. They found the operation to be quite intriguing. We even had a large fishing boat to come ashore, whereupon the Captain introduced himself as a ham and wished us well after a nice visit.

It was kind of humorous to walk near the antennas, because there were a zillion tiny crabs running all over the place, and they all jumped into the nearest crabhole whenever we got close. We even had some crabby visitors running around our feet while operating. :-)

The weather was quite hot, but gentle ocean breezes and our screen tent kept us reasonably comfortable, and the mosquitoes weren't all that ferocious. The view was quite pretty, overlooking the Sound and marsh area.

Upon making our last contact right at 5PM, the tide started rolling in, and it was remarkable how quickly our area started filling up with salt water. We got the antennas down and said goodbye to the birds and crabs, telling them that we would be seeing them next year when it's time for the Bumblebees to start swarming.

We ended up working 62 stations on 20M and 8 stations on 15M--A totally delightful day at the beach!!

72, WQ4RP/BB#17 de WJ4P, AE4YQ, es AA4XX

Date: Mon, 26 Jul 1999 21:52:36 -0500
From: Mike Mullins <mmullins@mastnet.net>
To: qrp-1@lehigh.edu
Subject: [46108] Q-dope, solvents for polystyrene
Message-ID: <3.0.5.32.19990726215236.00797ad0@mastnet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Foamed polystyrene will dissolve in dry acetone. Acetone is often sold mixed with water. Toluene is a better solvent for polystyrene. It is sometimes available in hardware stores for use as a paint thinner. It does not mix with water, it has a higher flash point than acetone, and it is not as toxic as chloroform or carbon tetrachloride. Duco cement is a solution of polystyrene in a mixture of acetone and butyl acetate, so it would probably be suitable as Q-dope.
de Mike KD5CMN Lake Jackson TX

Date: Mon, 26 Jul 1999 19:31:20 -0700 (PDT)
From: Jeff Furman <jfurman@ocs.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46109] Colophonium is rosin...
Message-ID: <Pine.LNX.4.04.9907261927470.12541-100000@ocs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I discovered that colophonium is rosin. Rosin blocks are sold in music

stores; it's rubbed on violin bows.
73, Jeff KD6MNP

Date: Mon, 26 Jul 1999 21:51:45 -0500
From: Dave Redfearn <n4elm@texoma.net>
To: kb9nun@mpdr0.chicago.il.ameritech.net, Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>
Subject: [46110] Re: Pro-Am Antenna/Camera Tripod
Message-ID: <379D1EC1.60D35BC7@texoma.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

kevin walker wrote:

> I recently picked up a 40m Pro-Am whip to use while camping. I have set
> it up on a camera tripod (electrical box attached to the tripod) and a
> mag mount. I'm using my SW40+ with a tick keyer. I am having problems
> no luck. The SWR is very inconsistent and sometimes even stops the rig
> from transmitting.
>
> Kevin/KB9NUN

I would try connecting the radials directly to coax shield connection
right at the feed point. Don't rely on the mag mount for a connection to
the radials or ground.

My version uses a 3/8 X 24 stud mount attached to an "L" bracket bolted
to the top of an old camera tripod. A binding post mounted to the "L"
bracket provides the connection to the coax shield. I use 3 or 4 of the
multiband radials from the QRPP article (made from ribbon cable)
connected to the binding post. The antenna is a Hamstick or an Outbacker
Perth.

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKtexoma.net (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Mon, 26 Jul 1999 22:52:51 -0400
From: Richard Arland <k7sz@epix.net>

To: QRP List <qrp-l@lehigh.edu>, Ron Polityka <wb3aal@talon.net>
Subject: [46111] On the road again!
Message-ID: <379D1F03.3BE9D170@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang:

I will be leaving for SCI-Graterford Tuesday morning and staying in the, Kulpsville/Lansdale area through Thursday. I'm staying at the Holiday Inn at Kulpsville (Exit 31 on the NE Extension of the PA Turnpike, just north of Philly).

I will not have internet connectivity but if anyone would like to get together to talk QRP after 5 or 6 PM Tues/Wed evenings, just give the Holiday Inn a ring and they can find me. We'll do some QRP.

73 Rich K7SZ

Date: Mon, 26 Jul 1999 20:01:09 -0700
From: Russ Dow <n7dw@garlic.com>
To: cdhamel@pdq.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46112] Re: Frequency Counter
Message-ID: <379D20F5.9C2ACFF4@garlic.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Charles,

I'm posting this to the list to see if anyone has contact info for this company. There used to be a company a few years ago, called S&S Engineering (?), that made kits for freq counters, digital displays, etc. One of the counters was a board kit that ran about \$70., but no cabinet option at the time. Sorry, I can't find any info on them right now.

How 'bout it, gang? Any of you know if these folks are still in business, sold/merged, whatever?

73,
Russ N7DW

Charles Hamel wrote:

> Hi Gang, I am looking for a frequency counter for the purposes of aligning
> homebrewed rigs, and also to tell me the exact frequency I am operating on
> with my homebrew rigs. Right now I am just guessing!!
>
> Rat Shack has one for \$99.00

Date: Mon, 26 Jul 1999 22:07:39 -0500
From: "Michael A. Newell" <wb4huc@texas.net>
To: n7dw@garlic.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46113] Re: Frequency Counter
Message-ID: <379D227B.C4708DD6@texas.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

S&S Engineering's web site is at:

<http://raven.metric.net/sseng/>

73,

--

Michael A. Newell - WB4HUC
Austin, TX
QRP-L 1668
<http://wb4huc.home.texas.net>

Date: Mon, 26 Jul 1999 23:08:11 -0400
From: Rich Bachmann <bachmann@ari.net>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [46114] R5 matchbox repair
Message-ID: <01BED7BB.BCDCDD80@ppp-bach.ari.net>

I'm trying to fix an R5 vertical for another ham. The part I'm looking for is an 82 pf 6kV radial cap. It has an additional marking 'S3N'. It is about the size of a tums tablet and I would guess it is ceramic. There are two of these 82 pf caps in series. One was broken off and laying in the bottom

of the matching box. Nothing looks burned up, but the leads look rusted and there is corrosion on the straps connecting to the S0239. Don't know if it was from lightning strike, wind vibration, or what.

Cushcraft will only sell the entire assembly (\$143), and will not sell the caps or give information on them. I couldn't find a direct replacement in the Mouser, Digikey, Allied, Newark, RF Parts, Dan's Small Parts and Farnell catalogs.

Any help, insights, parts sources, or suggestions would be appreciated.

Thanks, Rich, N3SLR
bachmann@ari.net

Date: Mon, 26 Jul 1999 23:23:19 EDT
From: RABRUNER@aol.com
To: dafouchey@home.com, qrp-l@lehigh.edu
Subject: [46115] Re: SINGLE OR DUAL PADDLES??
Message-ID: <e88eda45.24ce8027@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Kent Engineering makes a single lever paddle in addition to their iambic.

Bob
WB4TAJ/9

Date: Mon, 26 Jul 1999 23:26:00 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [46116] BB #14 Results
Message-ID: <199907262329_MC2-7E60-DDC3@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Gang:

Here is the scoring for BB #14 this year:

82 Q's (20 M only) = 164 points

37 bumblebees = 111 points

Total score = 18,204

Total time = 2.75 hours

Location = Ft. Lincoln, ND

Bees=32,53,97,28,50,66,6,74,40,13,10,72,38,69,55,8,30,87,
103,80,15,84,37,9,62,91,20,97,35,17,89,86,19,29,31,99,61

Setup=Wilderness Sierra at 5 watts (German PS) to a homebrew "L" with a
single elevated radial. Suspended by an SD-20 fibreglas fishing pole.
Tuner was LDG QRP. Setup all battery powered.

Thanks again to all who stopped by. It was great fun :-).

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

70511.3041@compuserve.com

Date: Mon, 26 Jul 1999 22:16:40 -0500
From: "Bob Helms" <af5z@inetport.com>
To: "QRP-L Reflector" <qrp-l@lehigh.edu>
Cc: <n5ib@juno.com>
Subject: [46117] Collins Mechanical Filter numbers
Message-ID: <199907270336.WAA15602@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

A recent post described a Collins mechanical filter marked as
follows:

F 250 A 67

12 V 2

526 9039 009

5915 552 9598

The above four lines describe:

1. The Collins type or model number. Likely 250 kHz center frequency.
2. A lot or date code.
3. The Collins part number.
4. The military stock number.

Originally called the Federal Stock Number (FSN) but currently reformatted as a National Stock Number (NSN) where two added zeros would indicate U.S. Manufacture in the number 5915-00-552-9598.

Someone with access to a Item Listing (IL) microfiche may be able to obtain a description including key specifications based upon the part or stock number.

72,
Bob Helms, AF5Z
af5z@inetport.com
Retired USAF Aircraft Radio Repairman

Date: Tue, 27 Jul 1999 14:04:17 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46118] Colophonium is rosin..
Message-ID: <379D2FC0.AE6B729B@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff Furman wrote:

> I discovered that colophonium is rosin.

Good grief, after 50 years I now know what my old man (VK2ARP - sk) was on about.

I can still remember it in an old chocolate box.

Thanks Jeff - you made my day.

--
73's

Ian Purdie
VK2TIP "I'll give you the TIP mate"
Budgewoi N.S.W. Australia
Tel: 61 + 2 + 4399 3228 (2200 - 0800 U.T.C. please.)
QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/>
URL - <http://www.qsl.net/vk2tip/>
"Three out of five Web experts agree that frames are the work of the devil
and represent all that is evil about the Web. The remaining two experts
are agnostic and think that frames are just a stupid idea" -

Date: Mon, 26 Jul 1999 23:21:44 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: kb4dpf@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46119] Re: QST article on DX antenna
Message-ID: <379D33D8.71450F4@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

June 1999 QST, by Al W1AB.

72/73, George AMA 98452 R/C since 1964

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

> > Does anyone have the specs on the killer dx antenna article a few
> > months back in qst? It was an elevated ground plane fed with 450 ladder
> > line.

Date: Tue, 27 Jul 1999 00:36:39 EDT
From: n5ib@juno.com
To: qrp-l@Lehigh.edu
Subject: [46120] Q-dope substitute - more experimental results - and expert
testimony

Message-ID: <19990726.222807.4775.0.N5IB@juno.com>

....as you may recall, when last we saw our gallant experimenter...

I wound 35 turns of #26 on a T50-2 and measured it at $L = 6.482 \text{ uH}$, $Q = 204$, at 10 MHz
gooped it up with "Plasti Dip" and let it air dry for 30 minutes...
 $L = 6.686 \text{ uH}$, $Q = 35$ (!!)
allowed it to cure for about four hours (ambient air)
 $L = 6.555 \text{ uH}$, $Q = 140$

today, two days later:
 $L = 6.540 \text{ uH}$, $Q = 175$

Looks like the stuff is lossy enough not to use. The good news it peeled off the T50-2 very easily, so I didn't ruin a core. At present I have a few sticks of plexiglas dissolving in a bottle of acetone, and will test that soon.

The styrofoam peanuts in acetone were less than satisfactory - a fair amount of goopy residue and a cloudy mixture. It may be that the peanuts are now mostly made from recycled material and the impurity level is high.

Now, the cellulose, water soluble peanuts would be interesting to try in an aqueous solution - talk about goo...

Now then, a friend who was lucky enough to attend Atlanticon pointed out to me that there was an article in the Atlanticon 1999 Proceedings by Roy Lewallen, W7EL, entitled "Mounting Toroidal Inductors with Common Materials" which addresses these very issues of degradation of Q .

see: <http://qrp.pops.net/qrp/info.htm>

No sense in reinventing a wheel that Roy has presented in such a clear and straightforward manner - so I shall repair to my modest chambers and speak no more of these affairs until and unless I have something heretofore undiscovered to report ... :^)

72

Jim N5IB

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Mon, 26 Jul 1999 23:51:21 -0500
From: "George W. Lee" <k5ht@juno.com>
To: qrp-1@LeHigh.EDU
Subject: [46121] Reflector
Message-ID: <19990726.235126.3678.1.k5ht@juno.com>

I haven't gotten a reflector posting in two days. I NEED A FIX!
HELP!

72, George KR5C
Lonely in Longview.

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Mon, 26 Jul 1999 21:54:08 -0700 (PDT)
From: "John L. Roblin - ElectronicsUSA.com" <wpc@west.net>
To: qrp-1@Lehigh.EDU
Subject: [46122] Single Lever Paddles
Message-ID: <19990727045408.C1FEB24B05@acme.sb.west.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

RE: Single Lever Paddles

Marshall wrote / asked:

>And I think Whiterook makes one too, don't you, John?

Yes Marshall....Sure we make a single lever paddle!!

Our Model MK-33 Pocket Mini-Paddle is on our website. We also make a Single
Lever Mini-Paddle Keyer: The MK-65 Series keyers. The guess that's really
unusual these days! But we sell lots of them.

72, John WA6KY0

(Stay tuned for a brand new Mini-Paddle, the MK-55, coming soon to the website.)

=====
John L. Roblin

ElectronicsUSA.com - Whiterook Products Company
"Mini-Keys, Binary Clocks, and Other Cool Stuff!"
VISIT OUR WEBSITES!
www.ElectronicsUSA.com QRP.homepage.com
=====

Date: Tue, 27 Jul 1999 05:10:25 GMT
From: "Scott Robbins - VE7CCY" <kc_sr@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [46123] National Park Exp. INFO!!
Message-ID: <19990727051026.75450.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Ok! To all who are interested in and looking forward to the QRP National Park Expedition being held on August 7 between 1pm and 4pm Eastern Time.

The calling frequencies can be all as listed on the ARRL website (+/- of course): <http://www.arrl.org/field/regulations/conop.html>

Anyone is certainly more than welcome to participate from any National/Provincial/State or Local Park (having a park name would certainly be a benefit).

The exchange can be:
RST,
Park working from and
the State/Province you are in.

Just so we can all look for one another on the bands, we can call a unique CQ, if you like... How about CQ Parks CQ Parks (and maybe CQ PKS CQ PKS for CW operators for ease)

How does all this sound? If anyone has any other suggestions or ideas, please let me know!

Do we want to worry about compiling results/scores??

73,
Scott - VE7CCY
(I'll be on 20m CW (a little rusty though!))

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 27 Jul 1999 05:17:08 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
To: qrp-1@lehigh.edu
Subject: [46124] FS: 38s kit w/ TiCK-1
Message-ID: <3.0.16.19990727051655.2c3f4b26@som-uky.campuscw.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have an extra 38s kit, unopened for \$42.
Includes a TiCK-1 chip and socket. Also will
include a green m&m for energy boost while
soldering. Shipping included CONUS.

tu de Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campuscw.net>
The KB4NPI/KA8OKH Web <<http://www.qsl.net/ka8okh>>
"The deadly yellow snow from right there where the huskies go" - Zappa

Date: Tue, 27 Jul 1999 02:37:59 -0400
From: "Al Gritzmacher " <ae2t@arrl.net>
To: qrp-1@Lehigh.EDU
Subject: [46125] Re: single paddle or dual paddle
Message-ID: <199907270639.CAA01155@mx2.localnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

On 26 Jul 99, at 19:03, Michael - N4NMR wrote:

> Content-Transfer-Encoding: 7bit
>

> I'd appreciate some comments from the experienced group here:
>
> What are the advantages vs disadvantages of single paddle key (not
> straight key) vs dual paddle key? Why would I choose one over the
> other? If it is all just preference, are there any special
> characteristics one has that the other has.
>
> Now, I know you folks are reticent to state your opinion <grin>, but
>

The main advantage of the single lever paddle is it doesn't send
'iambicly' with a keyer that supports it.

The main disadvantage of the single lever paddle is it can't send
'iambicly' with a keyer that supports it.

;-)

A dual-lever paddle can be used both with a non-iambic keyer and
with an iambic keyer, but as if it were a single lever.

If you're not sure which to get, or if you will ever master iambic
keying, get dual levers.

> TIA
>
>
>

You're welcome!

=====
The amazing thing about QRP is not how many contacts are
made, but that they are made at all. Every QSO is a
contradiction of conventional wisdom.

72,

Al Gritzmacher, AE2T

QRP-L #1664 QRP-ARCI #9837 K2 #274

ae2t@arrl.net

<http://members.localnet.com/~ae2t/>

QRP - If you don't try, you'll never know!

Date: Tue, 27 Jul 1999 03:41:48 -0400

From: Bill B Lazure <n2tpa@juno.com>

To: QRP-L@Lehigh.EDU

Subject: [46126] Re: SINGLE OR DUAL PADDLES??

Message-ID: <19990727.034153.7702.2.N2TPA@juno.com>

>>>NOBODY (???) makes a non-iambic keyer anymore,

Ramsey does. I got taken by them quite recently. Don't know if they have two versions, but be careful if buying one of their keyer kits. Make sure it specifies Iambic.

Bill
W2EB

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Tue, 27 Jul 1999 09:11:45 +0100
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [46127] Antenna Anthology orders
Message-ID: <002101bed807\$accf73c0\$a9a632d4@prsat0xl>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I can now accept orders by credit card for my book Antenna Anthology, which will make ordering from USA etc easy.

Info on the book:

I have compiled a new antenna book, entitled 'Antenna Anthology'. Many of the articles have not appeared in print before and include practical information on making antennas for HF, VHF and UHF, although the majority are for the HF bands. If you are at all interested in antennas, then this book is a must for you!

Price: 5.00 UK pounds plus postage. Postage rates are 1.00 for UK, 1.50 for Europe and 3.25 for the USA. These prices are in UK pounds Sterling. Cheques should be made payable to Mr. FW Lee.

Please email me if you wish to purchase a book and I will ensure your copy is ready for dispatch when your payment arrives. Payment in Sterling is essential, or Eurocheque. Cash is OK!

73

Frank, G3YCC

QRP web page <http://www.karoo.co.uk/g3ycc/>

Date: Tue, 27 Jul 1999 05:32:49 -0000
From: "John R. Peregord Jr." <jrperego@alpha.delta.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [46128] FS: TAC-1 40M
Message-ID: <005e01bed7f1\$7762b3c0\$45824acf@jrperego.delta.edu>

S&S Engineering 40M TAC-1. \$125 shipped/insured via USPS. Email direct for details.

73 de John/KB8UMD

Date: Tue, 27 Jul 1999 06:34:44 -0400
From: Michael Bower <bowerm@ix.netcom.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [46129] OT: Why no credit cards?
Message-ID: <379D8B44.AD6132C5@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I've noticed that very few of the dealers for QRP "stuff" will accept credit cards. Is this strictly economics of the sale or are Ham Radio people not good credit risks? I hope the former.

Just curious.

Michael - N4NMR

Date: Tue, 27 Jul 1999 06:35:53 -0400
From: Michael Bower <bowerm@ix.netcom.com>
To: qrp-l <qrp-l@lehigh.edu>

Subject: [46130] Ethernet terminator for dummy load
Message-ID: <379D8B89.D0FCA134@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Can anybody tell if an Ethernet coax terminator (which I think is just a 50 ohm resistor) will make a good dummy load for a QRP rig?

Michael - N4NMR

Date: Tue, 27 Jul 1999 07:24:56 -0400
From: Barry J Minsky <w2bj@juno.com>
To: RABRUNER@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [46131] Re: SINGLE OR DUAL PADDLES??
Message-ID: <19990727.072502.-377779.0.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

So does G4ZPY.

On Mon, 26 Jul 1999 23:23:19 EDT RABRUNER@aol.com writes:
> Kent Engineering makes a single lever paddle in addition to their
> iambic.
>
> Bob
> WB4TAJ/9

72/73,
Barry J. Minsky, W2BJ
ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century
Club #569, Platinum #51, FISTS CW Club of Coastal Georgia, Knightlites,
Adventure Radio Society #359,
Six Club #151, QCWA #29298, OOTC #3723
Amateur Radio Missionary Service

Date: Tue, 27 Jul 1999 14:39:41 +0300
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: bowerm@ix.netcom.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [46132] Re: Ethernet terminator for dummy load
Message-ID: <379D9A7D.2C13@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Michael Bower wrote:

>

> Can anybody tell if an Ethernet coax terminator (which I think is just a
> 50 ohm resistor) will make a good dummy load for a QRP rig?

Michael and gang,

In my experience they do make convenient and good dummy loads. The BNC connector is a plus. I've removed the plastic casing (mine came with Digital network cards) to improve heat-sinking through convection. I run up to 5 W into these little critters and I have had no failures, yet. They look like they're good up to UHF.

I suppose if you look for them in the right places (IT-support?) you may be able to get some for free. Then if you do destroy one, it's no big deal, either.

Fitting a (transistor) heat-sink should make them even better. I've never tried and the exact dimensions do differ from one to the other.

gl es 73,
Arjen, OH2ZAZ
--
Arjen Raateland
Finnish Environment Institute
SAS Support
phone +358 9 4030 0350

Date: Tue, 27 Jul 1999 12:04:37 GMT
From: hb9dnn@gmx.net (Robert M. Ganter)
To: qrp-l@lehigh.edu
Subject: [46133] Re: DK9SQ Fiberglass Telescoping Tower
Message-ID: <379d9ed1.13226598@scts98.ens.ascom.ch>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

On Mon, 26 Jul 1999 13:22:42 -0400, bcotter@pop.uky.edu wrote:

<< about DK9SQ telescoping tower >>

I've had one for 5 years now and really like it. I used it the last two weeks on a sailboat while sailing in the Ionian sea (western Greece). One evening we anchored in a bay, where we had quite strong falling winds (about 30 knots). The tower didn't show any sign as if it would collapse or break. It was even possible to shorten it with these strong winds.

I can only recommend this tower for any mobile operation.

73/72 Robert (HB9DNN)

--=20

Robert M. Ganter HB9DNN

Date: Tue, 27 Jul 1999 11:57:26 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
To: qrp-l@lehigh.edu
Subject: [46134] 38s w/ Tick-1 sold
Message-ID: <3.0.16.19990727115721.2d171760@som-uky.campuscw.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

It is sold. Thanks,

Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campuscw.net>
The KB4NPI/KA8OKH Web <<http://www.qsl.net/ka8okh>>
"The deadly yellow snow from right there where the huskies go" - Zappa

Date: Tue, 27 Jul 1999 12:23:58 GMT
From: hb9dnn@gmx.net (Robert M. Ganter)
To: qrp-l@lehigh.edu
Subject: [46135] Bad operating conditions in Greece
Message-ID: <379fa0cb.13732386@scts98.ens.ascom.ch>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hello QRPers,

unfortunately my two week vacation in Greece is over...
I had a Ten Tec scout plus a DK9SQ mast with lots of wire with me and hoped to work a lot of stations in the evenings.

Unfortunately at most of the time more or less all bands I tried (40/20/15m) were very difficult to work. Certainly my lack of experience had some impact, but there also was a strange signal spread all over the bands, something in between S6 and S9+. It was a tone swept with two speeds, i.e. a howling tone slowly sweeps up and down at about 500Hz/s through the band. During that time it was nearly impossible to hear anything except this strong signal. On the other hand I assume, that it was more or less local to the Ionian islands (western Greece), I could not hear anybody else complain about it.

Does anybody have an idea, what these signals (which definitely do not belong to the amateur frequencies) could be? I am shure they did not origin from the boat, they were external. If others experienced the problem, too, I would be interested to hear about it.

Nevertheless, I made two great QSOs (my first CW contacts!) with two German stations. Just have to get better skilled to read CW...

Thanks for any information.

73/72

Robert (HB9DNN)
--=20

Robert M. Ganter HB9DNN

Date: Tue, 27 Jul 1999 09:30:33 -0400
From: "Buck, Preston D" <BuckPD@corning.com>
To: "'nf9k@eudoramail.com'" <nf9k@eudoramail.com>, "'qrp-1'" <qrp-1@Lehigh.EDU>
Subject: [46136] re: SD-20 still available?
Message-ID: <9C472CF03C5ED111BBF20000F84A17010125BD22@EAGLE.CORNING.COM>
Content-Return: allowed
Mime-Version: 1.0
Content-Type: text/plain

Hi Joel,

I bought my pole from Bass Pro Shop. It was around \$25 and was in stock at their store in Springfield, MO. Bass Pro also has a thorough mail order catalog, so you can probably order it that way.

73,

Preston, n0g1m, Souther Tier of NY

My words, not my employer's

All,

Anyone know if there are any new or surplus SD-20's still available from South Bend?

I went to their website and didn't have any luck but maybe I just didn't look hard enough. Or maybe they are history. I'd really like to see one if any can be had new or used.

Thanks for the info,
Joel NF9K/0
(Shakopee, MN)

Date: Tue, 27 Jul 1999 09:37:27 -0400
From: Ken Edwards <ken.edwards@oit.gatech.edu>
To: qrp-l@Lehigh.EDU
Subject: [46137] Bumblebee #90 Report
Message-ID: <4.2.0.58.19990727093033.00a4b7d0@oit.gatech.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

First, I want to apologize to my contacts for my sometimes incoherent transmissions....I had some "issues"!
Second, I would like to applaud their great "ears" for being able to hear my station!
My XYL and I arrived at our chosen spot in the North Georgia mountains (about 2.5 hours NW of Atlanta) on Saturday afternoon, unpacked and got settled in. One of the initial things I did was conduct an RF survey, using my Tokyo Hy-Power HT-750, to check out electrical environment. It sounded

pretty good!

Sunday, we arose and had a leisurely breakfast, decided to hike a riverside path of a couple

of miles and enjoy the scenery. The morning was warm, but not too bad.

After a nice walk, we arrived

back at the base camp with, what I thought, was ample time to prepare for the contest.

By now the ambient temperature was 95 degrees and climbing, with a 80+ percent humidity...

(95 degrees + 80% humidity = HOT). I got the antenna situated, the Index Labs QRP++ setup, and plugged up the power station.

THE RF NOISE WAS S9+40!?

I could not hear a thing. What had happened? There were some high-power lines in the distance, but they'd posed no issue yesterday. Well, it was now 12:30 with no time to waste. What to do?

I recalled a park, several miles away, that was devoid of trees (and power lines!) on all sides. OK! Break down the station, antenna, accessories, load 'em up and move out.

Did I mention it was HOT?

I got it all together and got moving. I felt I' make it OK!

Well, here in Georgia, folks attend church on Sunday. The local church apparently let out at 12:30. The road was full of vehicles (all "Sunday" drivers), going in my direction, at a leisurely pace. Fortunately, many eventually turned at the local Dairy Queen and I had a free shot at getting to the park.

I got there, got all the gear out, checked the noise floor, and IT WAS STILL NOISY! OK- everything back in the car, move down the way about a mile and check again. The noise was acceptable! YEA!

So, I re-erect the OUTbacker (did I mention it was HOT??), setup the station, plug in the power station....

and promptly short out the connector and blow a fuse. Of course, I don't have any more miniature fuses, BUT I do have another battery! I hook it up, and the rig is working like a champ.

At this juncture, with all the activity I am generating, a crowd (...well, maybe three people...) gathers to see what all the ruckus is about. The questions start:

ONLOOKER-"You going fishing (referring to the antenna)?"

ME-"No. This is a radio station, and I am going to work a contest".

ONLOOKER-"Oh".

>pause<

ONLOOKER-"You catching any fish?"

ME - >pause< I try again

...and so it goes.

Did I mention it was HOT?

I commence operating in earnest. Twenty meters is a hive of activity. Many, many stations. I make a couple of contacts, then stake out a frequency and call CQ BB. It's great! Antenna and station are working well, and I am generating contacts. YEA!

Then I notice this slight RF noise. Not bad at first, it steadily increases in volume, until it's above S9!

What the heck is going on?

Looking around, I notice a diligent city/county employee on a riding lawn mower, cutting the grass in the park. He's cutting long, long rows, and as he approaches the noise builds, and as he turns and heads away, it slowly declines...

Now tell me, how many public service employees do you know who work on Sunday?

Did I mention it was HOT??

So...what to do? Basically, my decision was to bear with it, and put the headphones up on my temple, which somehow mitigated the noise and allowed me to copy the CW, even when the mobile RF generator (i.e., grass mower) was quite strong.

OH- totals...I was able to work 39 stations/15 other Bumblebees, as far away as Montana and Wyoming, in three hours of operation. I feel pretty good about it, considering...

Now, about next year...

Date: Tue, 27 Jul 1999 07:45:20 -0600 (MDT)

From: af852@rgfn.epcc.edu (William R Colbert)

To: qrp-l@lehigh.edu

Subject: [46138] Re: FT243 Crystals

Message-ID: <199907271345.HAA21220@rgfn.epcc.edu>

Re my last posting - don't know what happened but it looks like a message by Tom Moll got sent under my header. Guess the server must be having a little problem as I notice the Email returns are no longer highlighted for reply. Anyway, I was trying to post the address info for Peterson Crystals of Council Bluffs, Ia.

PR CRYSTALS
Peterson Radio Co. Inc.
2735 Avenue A
council Bluffs, Ia 51501
712-323-7539
(operated by Mrs Peterson)

Last time I was intouch with them, they also provided a little catalog sheet similar to what CW crystals had with the pricing circuit and order info.

73
Ray

--
Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Mon, 26 Jul 1999 08:14:05 -0400
From: David J Zolin <kb3dzh@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [46139] homebrew G5RV antenna?
Message-ID: <19990727.095836.-3964377.1.KB3DZH@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am relatively new to this list. Saw a few G5RVs at a hamfest for ~\$30. Is this a good price? Can it be homebrewed for less? If so, where are the plans to be found?

tnx es 73,
Dave Zolin KB3DZH

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Date: Mon, 26 Jul 1999 08:13:44 -0400
From: David J Zolin <kb3dzh@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [46140] Radio Shack closeouts and specials
Message-ID: <19990727.095836.-3964377.0.KB3DZH@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Visited the local RS and found nice Amateur Radio Logbook (#62-2416) marked down from \$3.99 to \$1.97. Beats the \$12 price a hamfest vendor was trying to get for the very similar ARRL logbook. Includes *many* reference pages. 36 pages @ 24 entries each, a total of 864 QSOs. Bought 2, am going back to get rest, unless you get there first.

Oh yeah, bought some of those ceramic insulators, too.

73,
Dave Zolin KB3DZH

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Date: Tue, 27 Jul 1999 06:56:22 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: qrp-l@lehigh.edu
Subject: [46141] AZ ScQRPions (longish)
Message-ID: <199907271349.GAA00282@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

What (or who) are the AZ ScQRPions? That questions was asked by a lot of folks at Tuthill, and in e-mails received recently, so it's probably a good idea to put out some information. If you're not interested, go ahead and delete this.

About 4 years ago, a small group of QRP'ers got together and decided that the Phoenix area needed a QRP Club, and made plans to meet and see if there was any interest. There was, and the ScQRPions were born. Dedicated to QRP

operating, the group decided not to have any formal structure, which can get in the way of having fun; not to assess dues (who needs money?); and to open membership to any who wanted to operate qrp or learn more about it. Meetings would be held once a month in a central location, and all are invited. Sound familiar? Sort of like NorCal, without the publication, right?

The meetings have no formal structure, though a member generally guides us through them, keeping all informed of upcoming contests, status of projects, and acting as Sergeant-at-arms, if you will. This can take a couple of hours or so, followed by lunch for those wanting to stay and chat some more. Show and tell is a big part of the process, and members and guests bring their pet projects for all to see and drool over.

Membership is open. Anyone can 'join', even if they don't live here. I guess it's easiest to say that if you're a ScQRPion wannabe, then you're a ScQRPion. We welcome anyone with common interests, and folks drift in and out of 'membership'. Bertie, N7XJW tries to keep a roster of sorts, but there's no way of knowing how accurate it really is.

Three years ago, Roger Hightower N7KT decided it would be good to have a QRP Symposium in Arizona, and the Ft. Tuthill QRP Symposium came to be. Satellited on the Arizona State convention and hamfest, this first one was a great success, with the theme being to have fun while camping/hamfesting in the cool pines of Northern Arizona. He did all this himself, and passed it on to the club for the next (second year). From that beginning, the Symposium has grown in just two years to be one of the larger being presented.

Club projects are, in the main, selected to help provide funds to support the Symposium, and the last one was the introduction of the building board used as a platform for Jim Kortge's (K8IQY) 2N2/40 project, featured in the Winter 1999 QRPp. Additional sales of T-shirts, Golf shirts, ScQRPions Stinger antennas (based on a chalk line container) and other stuff help keep funds available for use at Tuthill. We'll do anything legal and fun to raise funds, even accepting donations :^).

Joe Gervais, AB7TT, developed an idea for the FYBO Contest, which spawned it's hot weather counterpart, BUBBA, so the ScQRPions host two contests annually, both of them fun, and designed to get operators out of the shack and into the 'wilds' to operate in a sort of mini-field day, QRP style. Our Club station, NQ7RP, takes part in these, as well as others sponsored by different groups across the country.

We are a pretty flexible group, and our motto seems to be 'if it's fun, do it'. Anyone wanting to join in the fun is welcome. There is a list on the internet, the AZ QRP list, which you can subscribe to (e-mail me at ki7mn@extremezone.com for more information), which is used to pass information back and forth, and to coordinate various activities. It is not a reflector for the qrp-l, nor does it usually contain much technical

information. It is flame-free, though :^), by choice, not regulation.

So come on in and join up. If you have ideas or suggestions for, for example, speakers for next year's Symposium, operating events, projects, feel free to offer them. You can send a note to azqrp@extremezone.com and reach all of us at once. We welcome your participation.

72,73

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

Date: Tue, 27 Jul 1999 15:03:53 +0100
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [46142] Antenna Anthology
Message-ID: <037701bed838\$dd9a55c0\$a9a632d4@prsat0x1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Visa is the preferred card for Antenna Anthology. I hear there is another publication with the same name. Is nothing sacred...!?

73

Frank, G3YCC

QRP web page <http://www.karoo.co.uk/g3ycc/>

Date: Tue, 27 Jul 1999 10:08:46 EDT
From: GElam30092@aol.com
To: bowerm@ix.netcom.com, qrp-l@lehigh.edu
Subject: [46143] Re: OT: Why no credit cards?
Message-ID: <784d90f1.24cf176e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 7/27/1999 3:38:41 AM US Mountain Standard Time,

bowerm@ix.netcom.com writes:

<< Is this strictly economics of the sale or are Ham Radio
people not good credit risks? >>

I would guess economics. Most cards charge a couple of percentage points on each purchase. The headaches of getting one set up probably aren't worth it for the relatively small markets involved.

Funny, I purchased a radio from Dave (Small Wonders) at Ft. Tuthill and wrote him a check. He simply took the check and put it away. When I asked if he needed ID, he remarked that he's taken over 3,000 checks and has never been stiffed.

I believe that holds quite well of our population!

Cheers,
Gerry, K1LR0
PHX AZ

Date: Tue, 27 Jul 1999 07:02:37 -0700
From: Bruce Grubbs <bog@flagstaff.az.us>
To: bowerm@ix.netcom.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [46144] Re: OT: Why no credit cards?
Message-ID: <3.0.5.32.19990727070237.0098fa60@mail.infomagic.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Michael,
As a former retailer and current computer consultant, I can tell you that the reason is the bank takes a percentage of your sales. For small operations it can be too much. Plus, there's setup fees, etc. When I ran an outdoor shop it was worth it. Now, as a consultant who sells hardware mainly as a service, it's not worth it.

A lot of the small QRP companies are being done for fun and as a service. There's little or no profit to be made- and often no room to let the credit card companies skim anything.

72

Bruce, N7CEE
DM45ee
Flagstaff, Arizona USA
bog@flagstaff.az.us

Date: Wed, 28 Jul 1999 07:16:40 -0700
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [46145] BB 31 Report
Message-ID: <379F10C8.BBDD046E@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well it basically went off without a hitch. Tom, KQ6DV, and I arrived at Mt. Madonna, Saturday afternoon after a busy morning at work. We parked the car and hiked about 3 miles looking for a good site. As it turned out the best site was where we parked the car. So we hiked in a big circle back to our operating site.

Mt Madonna is a nice oasis. There were very tall redwoods all around. The one in our campsite, directly over the table had a single branch sticking out away from all others and extending directly over the table. The branch was about 65 feet up. It was just asking to support an antenna. We shot a line over the branch and erected a 100 ft flattop fed with 300 ohm twin lead. This went to a homebrew Z match tuner to the K2. The K2 was powered by the internal 2.9AH battery and a 5W solar panel. We got lots of looks as other folks walked by and saw us tree fishing.

We also set up a SLX antenna to compare with the Flattop, and a 40M dipole for Tom to use. During a QSO with KK5IB in AR, I was able to switch between the SLX and the Flattop. He said there was 1-2 S units difference between them. That is considerable, but it took about 5 minutes to set up the SLX and about 1 1/2 hours to set up the flat top.

Sometimes alot happens peripherally that is just as much fun as the contest. Saturday evening, Tom was able to make his first real DX contacts as we worked station after station during the IOTA contest. The look on his face as he logged QRP DX after QRP DX was worth the whole trip.

In the morning, Ron, came buy to join in the fun, Ron just got his Tech Plus ticket and had never had a CW contact other than with me. He got on the air and made his "first" CW contact. Helping him through that was exciting. He had one of those S--- Eatin' grins all morning.

Then the contest started. The bands were fair from our site. I operated on 15, 20, and 40. I ended up with 39 QSO's. 2 on 40, 32 on

20, and 5 on 15. Worked 22 BB's for a score of 5016.

As usual, I can't wait until next year.

--

73 de AC6KW <mailto:grudin@vdbbs.com>
Jeff Grudin, DVM Web Add: <http://www.vdbbs.com/~grudin>
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Tue, 27 Jul 1999 07:16:29 -0700
From: David Shalita <af389@lafn.org>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Cc: "Ham-Homebrew@ucsd.edu" <Ham-Homebrew@ucsd.edu>
Subject: [46146] Need VBJANT.ZIP
Message-ID: <379DBF3D.D803AC4A@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

I need a software file called VBJANT.ZIP that I saw refered to in a HAM newsgroup some time ago. It contains antenna designing info and some info about a "440 resonator" that can be built. I am after the 440 resonator info. Sorry, cannot be more specific about the "440 Resonator", that is how it appears in my notes. My notes tell me to "GET IT".

My search for the package on the Internet has not produced any results. Does anyone recognize this file and know where I can find again?

Thanks and 73, W6MIK

--

David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

Date: Tue, 27 Jul 1999 10:38:12 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [46147] Prohibited transmissions
Message-ID: <19990727.104218.-67343.4.n3aaz-qrp@juno.com>
MIME-Version: 1.0

Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

To a discerning group,
thank you for the heads up!

RE: Subject: Re: Dare >milli / watting< At Receive End ?

ciphers

This message has three parts;

- 1) FCC Part 97
- 2) A question
- 3) An observation

file: part97.txt updated: 07-01-95

reads jk "IN PART" jk

S 97.113 Prohibited transmissions.

(a) No amateur station shall transmit:

(4) jk communications intended to facilitate a criminal act; messages in codes or ciphers intended to obscure the meaning thereof, except as otherwise provided herein; obscene or indecent words or language; or false or deceptive messages, signals or identification; jk

The following CW message is positively a true cipher;

Q P R K W
C F V I Y
N X V Q O
D S V S R
F Q W M N

MY Question:

Re: PART 97.113 -a(4),
Is the following message compliant OR non-compliant?

This is my CW beacon:

V V V V V V DE N3AAZ/B -as-
DARE MW RCVR TST.
QTH IS FM19XA FM19XA FM19XA.

XMTR PWR IS AXYZ1 AXYZ1 AXYZ1.
DE N3AAZ/B -ar-

Finally,
here is an astute observation for you.
Again re this "mW" thread and the fact this is a QRP group.
AND AGAIN DO NOT TAKE THIS THE WRONG WAY,
this is just an observation;

*Not a single sole (not one) zero responded wanting to know
what it would be like to be on the receive end of a QRP/mW signal*

Go figure.

John
N3AAZ
FM19xa

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Date: Tue, 27 Jul 1999 10:42:58 EDT
From: N9DD@aol.com
To: qrp-l@lehigh.edu
Subject: [46148] Field Day Deadline Reminder
Message-ID: <2faf9546.24cf1f72@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang

Today is the last day to have your Field Day entries postmarked if you are mailing them in.

On a related note: Does anyone have a copy of this year's Field Day

bulletin. I had a copy of it back in June but have misplaced it. Web searches have turned up nothing. If someone could send me a copy it would be much appreciated.

73,

Tom (Mr. Procastinator) N9DD
South Bend, IN

N9DD@aol.com or
tfrisz@ikon.com

Date: Tue, 27 Jul 1999 10:50:26 EDT
From: PDouglas12@aol.com
To: qrp-l@lehigh.edu
Subject: [46149] Vicarious happy dances
Message-ID: <b4a8c95a.24cf2132@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

I had a visit from a "local" as they used to be called in the ham mags. A local is someone who is in an earlier part of the learning curve we are all on, at one point or another. This fellow, a General, was working on his first kit, a Ten Tec 1340. Frankly, while the little rig looks nice, I think it is was made more difficult by the quality of the manual (even the printing on the main schematic was smudged and hard to read) and errors in the instructions. This earnest ham had been instructed to hook up a temporary electrolytic to test out the receiver portion prior to finishing the transmitter sections, but the drawing was ambiguous, and he had one leg of the cap in the wrong hole. Not his fault, but the result was a dead speaker instead of a working 40m receiver. Now it is possible that this error was covered in a correction sheet, but I didn't see it. Besides, in this day of computer editing, there is little excuse for this kind of persistent error in a kit manual that's out for more than a year--especially one that is likely to fall into the hands of a beginner. Imagine if this were a youngster with limited access to elmering instead of an adult.

Anyway, that isn't the important part. The important part is that we were able to confirm that the VFO was percolating on frequency, and that with the cap moved into the correct hole, the receiver started hearing the sig generator (ok, the sig gen was full blast, almost touching the antenna input at first) on 7050 or so. Then a tweak here, and there, and we moved the

little half-baked rig to the operating desk and hooked it up to the doublet. We could still hear the sig gen from the adjacent workroom, so it was hearing something. I ran over and shut off the generator. When it was quieted, a hint of CW was heard coming from the speaker. A touch of the tuning dial and sure enough, there was CW coming in. Hey, says the local, that's CW! You should have seen that smile. You know the smile I mean--the happy dance smile! A tweak or two more on the IF and BFO cans, and the signals were filling up the room. More smiles. I'm not sure who got a bigger kick out of the successful troubleshoot. We cleaned up and off he went, still smiling. Me too.

OK, now back to building the K2, which has been waiting for me (having passed the first set of checks on the controller/display) while I vacationed these past two weeks. The advantage is that the care package of parts that Elecraft kindly distributed to update their first commercial run has arrived and can be installed ab initio. Want to see a real unfair comparison?--hold the Elecraft manual next to the Ten Tec.

Incidentally, while I had the scope warmed up, it wasn't needed. Nor was the freq counter (when I did use it to confirm the VFO was working it loaded down the circuit and gave a wrong reading anyway.) The only test instruments we used were our eyes, the schematic, a multimeter (to figure out which hole was connected to the correct pin of the final mixer IC) and the station receiver to hear the VFO (on the correct freq, dead-on incidentally). And my old reliable tube signal generator I bought for one single dollar at a hamfest about five years ago. Would you believe I had the nerve to ask the seller if it really worked? He swore it did; and it does! OK, so it isn't calibrated/attenuated. I put it on high, listen for it on the Yaesu in the next room to set the freq, and once it is warm for about five minutes, it doesn't even drift.

Please don't email me defending the Ten Tec. It isn't a bad kit, and it plays fine when it is up and running. I just was annoyed that it put a beginner in the position of not knowing what to do next. On the other hand, I got to make a new friend, so that's not all bad, is it?

72,

Preston WJ2V

Date: Tue, 27 Jul 1999 10:55:18 EDT
From: HWRM1SS@aol.com
To: n3aaz-qrp@juno.com, njqrp@njqrp.org, qrp-1@lehigh.edu
Subject: [46150] Re: Prohibited transmissions
Message-ID: <f75c4490.24cf2256@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

John

Your message is obviously not a cipher or code. Even the 5 letter groups are not considered a cipher or code if transmitted as code practice and/or training and identified as such...

Intent is everything. I used to send 5 letter groups for code practice for my radio club in Philly years ago. The transmission was identified as code practice/training and I transmitted my call at the beginning and end of each transmission and at 10 minute intervals if necessary...

Howard K3HW
former USN Submarine Service/Comm Officer/Spook
services provided to NSA and Naval Intelligence

Date: Tue, 27 Jul 1999 11:00:46 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: frank@g3ycc.karoo.co.uk
Cc: qrp-l@lehigh.edu
Subject: [46151] Re: Antenna Anthology
Message-ID: <379DC99E.3AAC@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Frank,

Only copyrights and originality! You may get lucky and find the copyright holders, CQ Magazine, I think, may not sue for use of their name. Or maybe they will and you'll get famous (but broke) in court!

An easy way to avoid it is to change the title to G3YCC's Antenna Anthology. Oh, and make sure you own rights to everything and be sure to copyright it yourself!

73

Date: Tue, 27 Jul 1999 09:18:43 -0600
From: Larry East <w1hue@amsat.org>

To: qrp-1@lehigh.edu
Subject: [46152] Radiotron Handbook on CD ROM
Message-ID: <3.0.3.32.19990727091843.009395b0@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I purchased a CD ROM copy of the famous Radiotron Designers Handbook awhile back and I highly recommend it -- tons of info all in one place! The index leaves a bit to be desired tho; it's a separate file with no direct links so you have to go to the chapter that you want. Oh well. Anyway, the CD ROM is available for about \$30 from "Radio Devices" -- see their web site at

<http://www.ultranet.com/biz/raddev/rdcddrom.htm>

I got it thru a dealer of out of print technical books for about the same price; I believe it was Powell's Books, but I'm not sure. Check

<http://www.powells.portland.or.us/>

72, Larry W1HUE/7

PS -- Had a ball at the Ft. Tuthill QRP Symposium this past weekend!

Date: Tue, 27 Jul 1999 11:21:06 EDT
From: Mercxx@aol.com
To: qrp-1@lehigh.edu
Subject: [46153] FS/ W7EL design transciever
Message-ID: <c87a282c.24cf2862@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Good morning all,

I have a 40 meter full band coverage CW transciever for sale. It is in a black case and is ready to go. Have not used it in a year so it is sold as is. 60.00 dollars gets it shipped to your door. Thanks for the bandwidth.

73
Steve
N4TKP

Date: Tue, 27 Jul 1999 11:23:48 -0400

From: wgabriel@dukeengineering.com
To: qrp-1@Lehigh.EDU
Subject: [46154] 12V Gel Cell Charger Circuit
Message-ID: <852567BB.00548F52.00@dpinet01.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Thought I would pass along a rather neat circuit I ran across for charging 12v Gel Cell type batteries. It was designed by N1HFX and resides at:

<http://www.rason.org/Projects/gelcell.htm>

Circuit uses the MAX712 and is configured for a max fixed rate (400ma), trickle rate (50ma), and full charge cutoff operation. Neat to have all 3 modes in one charger.

I've been using a circuit for some time that is a bit more complex than this one and only did the fixed/trickle switching modes. Will have to look into this one - I have not built one yet. Am sure with the info on the MAX712 that one could configure other charging rates to use for the various sizes of gel cells many of us have.

Enjoy - Watson/WB4EXW

Date: Tue, 27 Jul 1999 18:31:46 +0300
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46155] Re: 12V Gel Cell Charger Circuit
Message-ID: <379DD0E2.BDA@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

wgabriel@dukeengineering.com wrote:

>

> Thought I would pass along a rather neat circuit I ran across for charging 12v
> Gel Cell type batteries. It was designed by N1HFX and resides at:

>

> <http://www.rason.org/Projects/gelcell.htm>

The correct URL seems to be:

<http://www.rason.org/Projects/gelcell/gelcell.htm>

--

Arjen Raateland
Finnish Environment Institute
SAS Support
phone +358 9 4030 0350

Date: Tue, 27 Jul 1999 08:34:31 -0700
From: Tayloe Dan-P26412 <Dan_Tayloe-P26412@email.mot.com>
To: "'ai2q@ispchannel.com'" <ai2q@ispchannel.com>, "'qrpl'" <qrp-1@Lehigh.EDU>
Subject: [46156] FW: Re: 2N2/40 PA Heatsinks
Message-ID: <87568F78ABDCD211A0AC0008C707718B31949C@az10exm03.sat.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

> -----Original Message-----

> From: Tayloe Dan-P26412
> Sent: Tuesday, July 27, 1999 8:32 AM
> To: 'qrpl'
> Subject: Re: 2N2/40 PA Heatsinks

>

> -----Original Message-----

> From: Alex Mendelsohn <ai2q@ispchannel.com>

>

>

> >Now, does anyone have any good ideas for homebrew heatsinks for the
> 2N2/40's
> >PA XSTRs?

>

> I forget the size, but there is brass tubing (available from hobby shops)
> that produce a tight fit for most plastic transistors. I usually solder
> a small section to the double sided PC board surface and epoxy the
> transistor
> inside.

>

> Seems to work quite well!

>

> - Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions; QRPL # 696

Date: Tue, 27 Jul 1999 11:37:26 -0400
From: "Hugo Catta" <h.catta@worldnet.att.net>
To: <GElam30092@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [46157] Re: OT: Why no credit cards?
Message-ID: <004301bed845\$ee8ccae0\$20124f0c@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

...SNIP...

> Funny, I purchased a radio from Dave (Small Wonders) at Ft. Tuthill and
wrote
> him a check. He simply took the check and put it away. When I asked if
he
> needed ID, her remarked that he's taken over 3,000 checks and has never
been
> stiffed.
>
Now you blew it ! ...Poor Dave... :-D

> I believe that holds quite well of our population!
>
Best 72
Hugo
CX9AAK/W2

Date: Tue, 27 Jul 1999 18:46:54 +0300
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: Dan_Tayloe-P26412@email.mot.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46158] Re: FW: Re: 2N2/40 PA Heatsinks
Message-ID: <379DD46E.255A@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Tayloe Dan-P26412 wrote:

>
> > -----Original Message-----
> > From: Tayloe Dan-P26412
> > Sent: Tuesday, July 27, 1999 8:32 AM

> > To: 'qrpl'
> > Subject: Re: 2N2/40 PA Heatsinks
> >
> > -----Original Message-----
> > From: Alex Mendelsohn <ai2q@ispchannel.com>
> >
> >
> > >Now, does anyone have any good ideas for homebrew heatsinks for the
> > 2N2/40's
> > >PA XSTRs?
> >
> > I forget the size, but there is brass tubing (available from hobby shops)
> > that produce a tight fit for most plastic transistors. I usually solder
> > a small section to the double sided PC board surface and epoxy the
> > transistor
> > inside.
> >
> > Seems to work quite well!
> >
> > - Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions; QRPL # 696

Aren't the 2N2222's in the TX final supposed to be the T0-18 ones?

Their metal case is connected to the collector, so you'd have a bunch of nice shorts if you solder the heatsinks to the PCB ground plane.

73,

--

Arjen Raateland
Finnish Environment Institute
SAS Support
phone +358 9 4030 0350

Date: Tue, 27 Jul 1999 11:58:21 EDT
From: Richard Rood <fcs@juno.com>
To: n3aaz-qrp@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [46159] mw signals
Message-ID: <19990727.115811.4999.0.fcs@juno.com>

John OM,
Perhaps we've all been on the receiving end of
"mw" signals. Even a Kilowatt winds up "mw"
after a long path through qrn etc. A lot of the older
generation with tinnitus and other hearing
problems, are also frequent "mw" ops.

We all love a 599 signal regardless of the equipment which generates it.

72

dick,w2scf

-----flwg msg edited -----

On Tue, 27 Jul 1999 10:38:12 -0400 John R Kirby <n3aaz-qrp@juno.com> writes:

>

>RE: Subject: Re: Dare >milli / watting< At Receive End ?

>

>Finally,

>here is an astute observation for you.

>Again re this "mW" thread and the fact this is a QRP group.

>AND AGAIN DO NOT TAKE THIS THE WRONG WAY,

>this is just an observation;

>

>*Not a single sole (not one) zero responded wanting to know

>what it would be like to be on the receive end of a QRP/mW signal*

>

>Go figure.

>

>John

>N3AAZ

>FM19xa

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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Tue, 27 Jul 1999 19:02:48 +0300

From: Arjen Raateland <Arjen.Raateland@vyh.fi>

To: Dave Barrett <DBarrett@creo.com>

Cc: QRP-L <QRP-L@lehigh.edu>

Subject: [46160] Re: 12V Gel Cell Charger Circuit

Message-ID: <379DD828.300D@vyh.fi>

MIME-version: 1.0

Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7bit

Content-Transfer-Encoding: 7bit

Dave Barrett wrote:

>

> Nice looking circuit, Thanks Arjen

Dave,

Well, I just corrected the URL.

I had a quick look at the text accompanying the circuit. The maximum charging voltage is only 13,8 V, and therefore I don't understand what the 'fuss' with double current limits and time limits is all about.

There is no need to limit the final charging current to 50 mA at that voltage level. The battery will take care of it. All you need is a source of regulated voltage 13,8 V with one single current limit (the maximum initial charging current of your battery). In practice different batteries may of course require different initial current limits, but for the rest they should take care of themselves when charged at 13,8 V. The 4,5 h time limit is a strange idea in this context. It will prevent heavier batteries from charging at a sensible rate.

A simple lead-acid battery charger can be made with essentially an ordinary regulator; you shouldn't need to use a special IC for that. The current limit doesn't need to be very stiff anyway. I presume the MAX xxx IC wasn't intended for **lead-acid** battery charging, but I can't confirm this.

Comments?

73, Arjen, OH2ZAZ

--

Arjen Raateland
Finnish Environment Institute
SAS Support
phone +358 9 4030 0350

Date: Tue, 27 Jul 1999 12:20:59 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Frank G3YCC <frank@g3ycc.karoo.co.uk>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46161] Re: Antenna Anthology
Message-ID: <Pine.GS0.4.10.9907271211300.23068-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Frank,

In the US, the contents (intellectual property) may be copyright, but a title is not copyrightable. Hence, in modern art, there are innumerable "#12" titled paintings. So you may call the work War and Peace, Gone With

the Wind, or any other such title as befits our encounters with antennas, whether used before or not, recently or distantly. Title should also not be confused with registered trademarks, which have a different set of rules, regs, and laws.

Of course, the subject of this note now has me thinking of great titles from the world's literature that would also be great titles for antenna books. Two groups: a. undisturbed titles, like *Gone with the Wind*; b. fractured titles, like *War and Pieces*.

Enough of that--be at ease, your title is legal--at least here.

-73-

LB, W4RNL

Date: Tue, 27 Jul 1999 11:35:38 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: qrp-l@lehigh.edu
Subject: [46162] System Computer Clocks on PCs
Message-ID: <E1199Am-0005nX-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gang,

Please take this moment while you are reading this note to look at your computer clock. Check it against WWV or any one of a number of web sites with the time calibrated against WWV or use WWV itself. You don't have to be within a mS but at least a minute or two accuracy isn't too much to ask for. IMHO. W95 and W98 the time is shown in the lower left hand side of the screen. Date comes up when you move the cursor to it.

Believe me, it is important. This in reply to a message that is/was gonna be sent tomorrow

that appeared on the list and I just received it. :-)

Not picking on anyone here, it is just that in reading the digest and reading email from a group that worries about the time in the logbook and doesn't pay too much attention to their own computer clock... I know that there are reasons for the clock to gain/lose in a system, but that is the responsibility of the owner to make some effort to maintain it.

We don't need, IMHO, a thread starting up on how to do this. It is left as an exercise for the reader. Use your search engine to find WWV, exact time, etc. It is not QRP related other than relative to my estate sale.

The reason for bringing this up is when I put my estate up for sale I will be monitoring this and if your clock is wrong then you go to the end of the list. :-) The estate will go on sale pretty quick as soon as I get two packages out the door that were meant to go before I left for Tuthill..... My error in total and I missed the airport USPS due to construction and a rush to catch a plane. So when I get the two out and on their way then I'll get back to clearing out the shack. Going to the bare walls (almost).... ;-)

FYI

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Tue, 27 Jul 1999 09:51:54 -0700
From: "Doug Hauff" <slmachco@fix.net>
To: <qrp-1@LeHigh.edu>
Subject: [46163] AZ ScQRPions Are Tops!
Message-ID: <199907271650.JAA11775@fletch.fix.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Many thanks to the ScQRPions for the great job they did at Ft. Tuthill!
And special thanks to Bob Hightower and his wife Bertie for their warm
hospitality! Bertie was kind enough to babysit my straight keys on display
all day Saturday, and she kinda babysat me as I was in a zombie-daze after
650 miles of desert on my motorcycle. Thanks, Bertie! Thanks, Bob! See
ya next year! 72 Doug Hauff KE6RIE

Date: Tue, 27 Jul 1999 09:52:47 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: PDouglas12@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [46164] Re: Vicarious happy dances
Message-ID: <19990727.095247.-4122689.2.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have to agree with Preston. There are manuals, and there are manuals.
The Elecraft manual is an extremely high quality piece of work. The
professional manner in which the illustrations and text layout is done is
first class. Since it is spiral bound, it lies flat on the work bench and
the pages won't rip out easily either.

The few addendums that were needed due to late changes and improvements,
were prominently packed and easy to find and read.

The other ham companies had better sit up and take notice. There is no
substitute for quality, as the saying goes.....

This kind of attention to detail and quality is greatly appreciated by
me. It serves as an example of what the other manufacturers should be
supplying with their equipment - be it kit or factory-built. The manual
supplied with my Kenwood TS-570D is a shameful example of this. It simply
is not of the quality that Elecraft is supplying with the K2. I had to
put the '570D manual in a folder to protect the thin paper it is printed
on. Why are the major manufacturers short-changing the docs this way? And
where or how do they even get these poor manuals printed? When Heath was
still around, at least their docs were done pretty well and didn't
require such gentle handling to prevent damage.

In other words, I greatly appreciate the attention and hard work that went into the K2 and its documentation. To say that it has exceeded all my expectations would be a major understatement.

Yes, the K2 is really as good as everyone says. Especially the manuals. If the rig works as well as the manual is done when I finish it, then it will be one superb rig. Thanks for a job well done! And I'm really critical when it comes to evaluating this type of thing! ;-)

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

Get the Internet just the way you want it.
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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Tue, 27 Jul 1999 13:01:22 -0400
From: "Tracy" <tracy@bytemark.com>
To: <adams@ticnet.com>
Cc: "QRP-L" <qrp-l@lehigh.EDU>
Subject: [46165] RE: System Computer Clocks on PCs
Message-ID: <NCBBICHAOKICOGKID00GKEFDCKAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Be Careful - on some email systems the time is stamped by the SERVER, not the email client!! Also, I've noticed on this list that there can be a heckuva lag ... I posted my note on baluns on Saturday, and when I hadn't seen it by Sunday night I re posted it. Low and behold there they both are Monday!!!

Tracy N4LGH

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
Chuck Adams K5FO
Sent: Tuesday, July 27, 1999 12:36 PM
To: Low Power Amateur Radio Discussion
Subject: System Computer Clocks on PCs

Gang,

Please take this moment while you are reading this note to look at your computer clock. Check it against WWV or any one of a number of web sites with the time calibrated against WWV or use WWV itself. You don't have to be within a mS but at least a minute or two accuracy isn't too much to ask for. IMHO. W95 and W98 the time is shown in the lower left hand side of the screen. Date comes up when you move the cursor to it.

Believe me, it is important. This in reply to a message that is/was gonna be sent tomorrow that appeared on the list and I just received it. :-)

Not picking on anyone here, it is just that in reading the digest and reading email from a group that worries about the time in the logbook and doesn't pay too much attention to their own computer clock... I know that there are reasons for the clock to gain/lose in a system, but that is the responsibility of the owner to make some effort to maintain it.

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The reason for bringing this up is when I put my estate up for sale I will be monitoring this and if your clock is wrong then you go to the end of the list. :-) The estate will go on sale pretty quick as soon as I get two packages out the door that were meant to go before I left for Tuthill..... My error in total and I missed the airport USPS due to construction and a rush to catch a plane. So when I get the two out and on their way then I'll get back to clearing out the shack. Going to the bare walls (almost).... ;-)

FYI

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Tue, 27 Jul 1999 11:59:56 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: qrp-1@lehigh.edu
Subject: [46166] RE: Increasing CW TX Speed
Message-ID: <E1199YC-00029G-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gang,

Do me another favor, please. Pretty please.

In URL references, please put the whole thing

<http://www.qsl.net/k5fo/>

etc.

Some of our mailers will highlight the URL if it is complete, we can click on it --- bring up the browser --- dialup if we are reading while not connected --- and then get to the page with just a simple double click. Makes life easier than having to write it down and then go to it later. And I tend to lose these little post-its or 3x5 notes and find them a week later and forget what it was that I was going to look up.

On the notes on sending. I get some nice emails back from people using the notes. I am going to write it up and send it in to QST and maybe get them to put in their CW notes somewhere. I don't ever remember someone writing it up, but I now

have all of the QSTs on CD (something that I
picked up at Tuthill) and will browse them in my
spare time. :-) ;-) Duh....

My opinion is that if you have the choice between
buying an Iambic Paddle or a single lever, I'd
recommend the Iambic Paddle. Two reasons: one ---
you can do Iambic on an iambic keyer and two ---
it has a greater audience for resale purposes.
Of course you can do the non-iambic keying with
an iambic paddle. Just takes more paddle movement.

FYI

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Tue, 27 Jul 1999 12:21:18 -0500
From: Mike Souhrada <wb9iog@revealed.net>
To: adams@ticnet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46167] Re: System Computer Clocks on PCs/URL SITE
Message-ID: <379DEA8E.72F4@revealed.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Chuck Adams K5FO wrote:

>

Agree 100% but it might be easier with a URL

<http://www.bldrdoc.gov/timefreq/index.html>

There are a number of downloads available I believe I'm using
the Network Time software. It sits on my window available for
update on demand or can be scheduled. It may have a second
or two delay but it fine for my purpose.

Mike

Le Claire, Iowa

Hometown of Buffalo Bill!

Date: Tue, 27 Jul 1999 12:41:39 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>

To: qrp-1@lehigh.edu
Subject: [46168] Re: OT: Why no credit cards?
Message-ID: <199907271724.NAA11874@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

There are several problems with a small buisness taking credit cards.

1. They take 4 % of your sale.
2. They charge you for the equipment needed (sometimes a monthly rental fee)
3. If you don't have sufficent volume of sales, (by thier reconning) they drop you like a hot rock.

I've had credit card people call me and say they can set me up to take credit cards with a special deal, ect, ect.

I tell them when they pay *me* 4 % to accept thier card and make them money, I'll think about it. It burns me that they make money on both ends of the deal. No, I don't have a credit card myself.

If someone asks if I take credit cards, I say sure, I just don't give 'em back :-)

Sorry Chuck, it's a full moon again....

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Tue, 27 Jul 1999 10:24:37 -0700
From: Tayloe Dan-P26412 <Dan_Tayloe-P26412@email.mot.com>
To: "'qrpl'" <qrp-1@Lehigh.EDU>
Subject: [46169] Re: 2N2/40 PA Heatsinks
Message-ID: <87568F78ABDCD211A0AC0008C707718B31949F@az10exm03.sat.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I guess that I have used plastic transistors as output finals, not Metal. I usually get over a watt out of a set of 3 cheap (\$0.10 each), commonly available 2n4401 transistors.

- Dan

-----Original Message-----

From: Arjen Raateland [mailto:Arjen.Raateland@vyh.fi]

Sent: Tuesday, July 27, 1999 8:47 AM

To: Dan Tayloe-P26412

Cc: Low Power Amateur Radio Discussion

Subject: Re: FW: Re: 2N2/40 PA Heatsinks

Tayloe Dan-P26412 wrote:

>

> > -----Original Message-----

> > From: Tayloe Dan-P26412

> > Sent: Tuesday, July 27, 1999 8:32 AM

> > To: 'qrpl'

> > Subject: Re: 2N2/40 PA Heatsinks

> >

> > -----Original Message-----

> > From: Alex Mendelsohn <ai2q@ispchannel.com>

> >

> >

> > >Now, does anyone have any good ideas for homebrew heatsinks for the

> > 2N2/40's

> > >PA XSTRs?

> >

> > I forget the size, but there is brass tubing (available from hobby shops)

> > that produce a tight fit for most plastic transistors. I usually solder

> > a small section to the double sided PC board surface and epoxy the

> > transistor

> > inside.

> >

> > Seems to work quite well!

> >

> > - Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions; QRPL # 696

Aren't the 2N2222's in the TX final supposed to be the T0-18 ones?

Their metal case is connected to the collector, so you'd have a bunch of nice shorts if you solder the heatsinks to the PCB ground plane.

73,

--

Arjen Raateland

Finnish Environment Institute

SAS Support

phone +358 9 4030 0350

Date: Tue, 27 Jul 1999 13:29:59 EDT
From: DENNISMO@aol.com
To: qrp-l@lehigh.edu
Subject: [46170] RS Insulators
Message-ID: <24466be8.24cf4697@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang -

i must have been asleep at the switch when the RS close-out on insulators was posted. Does anyone have the RS No.s still handy? Thanks in advance.

72 de Denny AD6EZ <><

Date: Tue, 27 Jul 1999 13:49:17 EDT
From: ka7you@juno.com
To: n3aaz-qrp@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [46171] Re: Prohibited transmissions
Message-ID: <19990727.100916.13775.9.ka7you@juno.com>

John,

I don't see any way it could be considered a cipher.

It list your station call, and information which is not "coded" in the normal sense of the word, and is certainly not enciphered.

Yes, it is abbreviated, but most will agree it is no more coded than the common alphabet soup we currently see in daily communications and the printed media..

Don't worry about it!

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.

160M thru 1296 MHz-higher bands pending

ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

On Tue, 27 Jul 1999 10:38:12 -0400 John R Kirby <n3aaz-qrp@juno.com> writes:

>

>To a discerning group,

>thank you for the heads up!

>

>RE: Subject: Re: Dare >milli / watting< At Receive End ?

>
> *ciphers*
>
>This message has three parts;
>1) FCC Part 97
>2) A question
>3) An observation
>
>file: part97.txt updated: 07-01-95
>
>reads jk "IN PART" jk
>
>S 97.113 Prohibited transmissions.
>
>(a) No amateur station shall transmit:
>
>(4) jk communications intended to facilitate a criminal act; messages
>in codes or ciphers intended to obscure the meaning thereof, except as
>otherwise provided herein; obscene or indecent words or language; or
>>false or deceptive messages, signals or identification; jk
>
>The following CW message is positively a true cipher;
>
>Q P R K W
>C F V I Y
>N X V Q O
>D S V S R
>F Q W M N
>
>MY Question:
>
>Re: PART 97.113 -a(4),
>Is the following message compliant OR non-compliant?
>
>This is my CW beacon:
>
>V V V V V V DE N3AAZ/B -as-
>DARE MW RCVR TST.
>QTH IS FM19XA FM19XA FM19XA.
>XMTR PWR IS AXYZ1 AXYZ1 AXYZ1.
>DE N3AAZ/B -ar-
>
>Finally,
>here is an astute observation for you.
>Again re this "mW" thread and the fact this is a QRP group.
>AND AGAIN DO NOT TAKE THIS THE WRONG WAY,
>this is just an observation;
>

>*Not a single sole (not one) zero responded wanting to know
>what it would be like to be on the receive end of a QRP/mW signal*
>
>Go figure.
>
>John
>N3AAZ
>FM19xa
>
>
>
>
>
>
>
>
>

>Get the Internet just the way you want it. Free software, free e-mail,
>and free Internet access for a month! Try Juno Web:
><http://dl.www.juno.com/dynoget/tagj>.

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sun, 25 Jul 1999 15:40:49 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>, azqrp <azqrp@extremezone.com>
Subject: [46172] Tuthill Building Contest Winners/Prizes
Message-ID: <379B9271.A079C144@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gangue:

At the Ft. Tuthill QRP cookout I neglected to announce the winners and prizes awarded to those winners in the building contest managed by Jerry Haigwood, W5JH. Here is that list. We want to thank each and every prize provider. A separate thank you certificate has been sent to each and every individual prize provider. Without the very generous contributions of these providers, the Ft. Tuthill event would be only a small fraction of what it has become. Many other prizes were donated for other events within the entire QRP event. We can not thank these people enough for their kind contributions. In the case of commercial

equipment providers, please remember these folks when you shop for QRP related items.

Category A (Keys, Keyers, etc.)

KE6RIE
Doug Hauff
277 Warren Way
San Luis Obispo, CA 93405

Doug submitted a miniature straight key.
Prize: Island Memory from Jackson Harbor Press

Category B (Transceivers, Receivers, etc.)

W1HUE
Larry East
1355 Rimline Drive
Idaho Falls, ID 83401

Larry Submitted a highly modified 38 Special.
Prize: 2N2/40 Board/Tee Shirt/Parts from Az ScQRPions

Category C (Regen Receivers)

W6MMA
Vern Wright
1606 Pheasant Way
Placerville, CA 95667

Vern submitted a multiband regen receiver.
Prize: AZ ScQRPions golf shirt from AZ ScQRPions

Category D: (Ugliest Thing You Built That Works!)

W5VB0
Brian Kassel
9200 W. Hollywood Ave
Peoria, AZ 85345

Brian submitted some ugly 40 meter transceiver.
Prize - Grossly un-Politically correct mystical hot Sauce provided by Joe, AB7TT

Best of Show

AA7TA
Mark Monninger
529 E Barbarita Avenue
Gilbert, AZ 85234

Mark submitted a 2N2/40 transceiver built from a ScQRPion kit.
Prize: The Best of Show prize was an SW-40+ donated by Bertie Hightower,

Brian W5VB0
Az ScQRPions

Date: Tue, 27 Jul 1999 11:03:00 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [46173] For sale MFJ's 9020, 9030 CHEAP!!!!
Message-ID: <19990727180300.28283.rocketmail@web107.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I need to really get rid of these fine rigs. So I
am going to lower the prices so to move them out.
Both are for sale for \$100 each! Yes that's \$100
for these incredible DX rigs! 8-)

Jeff

===
Jeff Jones
AB6MB
NorCal QRP Club #65, QRP-L #1780
CW Forever!!!
Ghost Hunter
Owner of the Delta MudCats fantasy baseball team
Voicemail/Fax 1-888-Excite2 ext 925-439-2514

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Tue, 27 Jul 1999 14:12:38 -0400 (EDT)
From: malman@world.std.com (Joel Malman)
To: qrp-l@Lehigh.EDU
Cc: k1qm@world.std.com

Subject: [46174] Manuals
Message-ID: <199907271812.AA26105@world.std.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

A note to all manual writers:

Flame suit on....

PLEASE, PLEASE, include an index in all the documents you write.

These days, it's so easy to do an index. My guess is that all the popular word processors include software for doing an index.

PLEASE include an index in all manuals.

Flame suit off.

--

/joel K1QM Concord, MA
QRP-L 337, QRP-ARCI 9305

Date: Tue, 27 Jul 1999 12:18:32 -0600
From: "Carl Zmola" <zmola@campbellsci.com>
To: adams@ticnet.com
Cc: qrp-l@lehigh.edu
Subject: [46175] Re: System Computer Clocks on PCs
Message-ID: <19990727181528778.AAA261@carl-zmola>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

It's not as simple as it appears.

Chuck wrote:

> Please take this moment while you are reading this
> note to look at your computer clock. Check it
> against WWV or any one of a number of web sites
> with the time calibrated against WWV or use
> WWV itself. You don't have to be withing a
> mS but at least a minute or two accuracy

> isn't too much to ask for. IMHO. W95 and
> W98 the time is shown in the lower left hand
> side of the screen. Date comes up when you
> move the cursor to it.

Windows 95 has a major bug. The cmos clock in a computer is reasonably accurate, but windows 95 only reads that when the computer starts up. After that, it keeps the time locally, and that can drift dramatically over a day and it depends on how much other stuff is running on your computer.

Usually 5 min per working day drift is common, but if you keep your computer on all the time, it can be a bigger problem.

Windows NT does not have the problem, and I believe windows 98 has fixed the problem.

Carl
AC7BB

Carl
zmola@campbellsci.com

Date: Tue, 27 Jul 1999 11:12:13 -0700
From: "Mont Pierce, KM6WT" <montp@synacom.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46176] Play a text file in CW?
Message-ID: <379DF67D.F82AE8C0@synacom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm looking for a program that will play CW out the sound card from a text file. I want to run it in a window on Win98.

SuperMorse would work if I was using win95, but they've changed the timeslicing algorithms in win98 and it SM no longer works...

Any ideas?

tnx & 72,
mont/km6wt

--

~~~~~  
John 3:16: "God loved the world so much that he gave his  
only-begotten Son, in order that everyone  
exercising faith in him might not be destroyed  
but have everlasting life."  
~~~~~

Date: Tue, 27 Jul 1999 12:23:25 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-1'" <qrp-1@lehigh.edu>
Subject: [46177] Boston
Message-ID: <01BED82A.D41DC760.bmug@gwl.com>

I got into work today (I took yesterday off) and found out I am going to Boston in the morning (Wednesday). The plane arrives at around 6 pm. Is there any place (radio wise) I shouldn't miss? I will be dragging one other person with me so I can't go too far. If I get to go anywhere it will have to be Wednesday night as I leave to come home at 5 pm Thursday.

We will be staying in Waltham at the Westin and without the Rock Mountains as a reference I don't know if I'll know my directions 8^)

72's

de KI00T, Brad
Aurora (Denver), Colorado

Date: Tue, 27 Jul 1999 14:28:31 -0400
From: wgabriel@dukeengineering.com
To: qrp-1@Lehigh.EDU
Subject: [46178] 12V Gel Cell Charger - Addendum
Message-ID: <852567BB.0065790E.00@dpinet01.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

First off will apologize for the boo-boo on the URL that several of you brought to my attention. It has already been noted but will repeat it for those who might need it:

<http://www.rason.org/Projects/gelcell/gelcell.htm>

Arjen raised some interesting points. I probably could do a better job with some answers if I were at home with some of my references. So, I am going to try to refrain from using numbers for volts/per cell and so forth cause I cannot remember them off hand anyway.

What he said is surely true - you can charge a gel cell or any other acid battery with just a regulated source and a current limit resistor. In fact you could even use a non-regulated source if chosen correctly. You can do it with a "wall wart" and a resistor.

What really enters the picture is what you want to do with the battery, how you want to charge it, how long you want to take to charge it, and how much time you personally want to be involved. Hence, here comes the need for fast charging, float charging, "automatic" charging, and other variations I am sure.

If you want to fast charge it, you can't leave the charger connected for a long time. And somebody or something has to disconnect it from the charger or you will ruin the battery. If you want to only charge at the levels where you can just leave the charger connected, it takes "forever" to charge it up. So, we just have to make some decisions and build/buy a charger to suit our particular needs.

Me? I want one that I can plug it up to the battery, charge it up "pretty fast" - meaning a few hours max in most cases, and kinda forget about it. Got too many other things to do and I don't want to ruin my batteries cause I forgot to turn off the charger.

Back to this particular circuit. I took a bit of time at lunch to see just what a MAX 712 really is. Have not really analyzed this circuit much yet but here are a few quick tidbits:

- * The MAX 712/713 series were designed as NiCd/NiMH Battery Fast-Charge Controllers. (Hmmm - taking note of this!). Is designed to charge 1 to 16 cells in series. Fast charge rate can be set. Cutoff charge timer. Temperature and voltage slope detection and control during charge cycle. And has many other features. So, what the designer has done was apply this device as a lead acid charger with features.

- * The "4-1/2 hour cutoff" is a programmable feature of this device (from 22 to 264 min). Looks as if the designer just programmed it for max for pretty obvious reasons. The MAX712 data sheets go into lots of discussion about charge rates and timing setups for NiMH batteries which may not typically be needed in this application.

- * I did see that you can program the device for the number of cells being

charged but did not have time to figure out what was set up in this particular circuit for output voltage selection. Anyway it can be varied.

What do I think? It seems worthy of investigation for an automatic charger with lots of the same features of some older and "harder to get" devices. Might order some MAX712s from Digi-Key and play sometime. Ain't real cheep tho - 'bout \$7 a pop.

For what's it's worth and 72s - Watson/WB4EXW

Date: Tue, 27 Jul 1999 11:41:48 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: qrp-1@lehigh.edu
Subject: [46179] 12V+ solar panel that's close to 8x8"?
Message-ID: <v03102812b3c3ad9af637@[206.169.228.41]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I've been trying to find a 12V (15V+ open circuit) solar panel that's near (or just under) 8x8". Has anyone seen such a critter? I've tried Jade Mountain, Real Goods, and all of the usual manufacturers I can think of (Solarex, BP, etc.).

Thanks,
Wayne
N6KR

Date: Tue, 27 Jul 1999 13:59:03 -0500
From: "Mike D." <hrg@megsinet.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46180] RE: Play a text file in CW?
Message-ID: <000201bed862\$185a0560\$39cfd6d8@mike1.urbancom.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Try Morse Academy (freeware) at:

<http://www.speroni.com/AH0A.html>

73 de Mike, N9BOR
FISTS NR 4594
<http://www.qsl.net/n9bor>

di dah dit - The only roger beep you'll ever need.
My designated driver is a 12BY7A.
Solid State leaves me cold.

> I'm looking for a program that will play CW out the sound card
> from a text file. I want to run it in a window on Win98.
>
> SuperMorse would work if I was using win95, but they've changed
> the timeslicing algorithms in win98 and it SM no longer works...

Date: Tue, 27 Jul 1999 12:36:35 -0700
From: Bradford D Bilbrey <bigdawg74@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [46181] Still out of work, stuff for sale
Message-ID: <19990727.123636.11574.0.bigdawg74@juno.com>

Hey Gang:

Still out of work here in Tucson, so more stuff is going to be sold.

1. Kenwood TS-430 with the FM unit and SSB filter installed. Includes mobil mount and Turner 350 mic. The only problem is an intermittant ON/OFF switch. Make a reasonable offer.
2. 5 watt QRP CW 2 band (15 & 20 meter) transmitter. VXO with one 20 meter crystal and two 15 meter crystals. Nice enclosure. The parts are worth more! (I will throw in a 20 meter DC receiver has some unknown problem too.) \$ 20.00
3. QRP tuner, "T" type, tapped coil and two variable caps \$ 15.00
4. Antenna coaxial switch, rated at 1000 watts, 3 position made by Workman \$10.00
5. HAM 2000 CD-Rom \$ 10.00
6. Unfinished A & A Engineering Smart Batter Charger, only needs an enclosure & transformer and a few resistors. \$10.00
7. FT-208R handy talky with leather case and speaker mic. \$75.00

Brad Bilbrey KE7MU

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Tue, 27 Jul 1999 14:04:17 -0600
From: Jess Gypin <jessqrp@concentric.net>
To: qrp-1@lehigh.edu
Subject: [46182] Emtech NW 40 for sale again
Message-ID: <3.0.3.32.19990727140417.0069b2a4@pop3.concentric.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

First deal fell through for the Emtech radio. So.....

EMTECH NW40

Tick Keyer, optional audio filter, EMTECH cabinet. Covers 7.000-7.200
Excellent condition, > 5 watts out adjustable to milliwatts.

One of the best analog receivers that I have used and with the audio filter
switched in, the signals just POP out of the noise. \$100.00 Plus shipping

Still have the RS HTX 202 \$100.00

Pro-51 scanner \$100.00

Jess AE0CW

Date: Tue, 27 Jul 1999 13:58:22 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <h.catta@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [46183] Re: OT: Why no credit cards?
Message-ID: <199907272002.0AA32168@srv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just goes to show QRP people are a step above the rest 72 Cal KF7ET

> From: Hugo Catta <h.catta@worldnet.att.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Re: OT: Why no credit cards?
> Date: Tuesday, July 27, 1999 8:37 AM
>
> ...SNIP...
> > Funny, I purchased a radio from Dave (Small Wonders) at Ft. Tuthill and
> wrote
> > him a check. He simply took the check and put it away. When I asked
> if
> he
> > needed ID, her remarked that he's taken over 3,000 checks and has never
> been
> > stiffed.
> >
> Now you blew it ! ...Poor Dave... :-D
>
> > I believe that holds quite well of our population!
> >
> Best 72
> Hugo
> CX9AAK/W2
>

Date: Tue, 27 Jul 1999 14:41:16 -0600
From: Roy <marion@montana.com>
To: qrp-l@Lehigh.EDU
Subject: [46184] INFO PAGE FOR ARGONUAT 515
Message-ID: <199907272042.0AA18982@mail.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone know where a info page on the Ten-Tec Argonuat 515 ? The QRP-L page shows a picture but the specs are all blank. W8KC's page also has a picture, but no info. Anyone? Roy, AB7CE, MT

Date: Tue, 27 Jul 1999 16:57:21 EDT

From: RangerSF5@aol.com
To: qrp-1@lehigh.edu
Subject: [46185] FS QRP AMP
Message-ID: <b286c268.24cf7731@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang

I have a Ramsey 40-M amp that works very well.

2 watts will give you a full 20-Watts out.

I have one installed in my 40-M MFJ rig and it works very well.

Just remember to keep the power down or you'll send key clicks to everyone on the band.

\$40.00 Plus shipping 1st. Class Postal.

Bob

WA2HOQrp <tm>

Date: Tue, 27 Jul 1999 16:59:58 -0400
From: Lee Jarvis <l2jarvis@mindspring.com>
To: qrp-1@Lehigh.EDU
Message-ID: <3.0.6.32.19990727165958.007bdc20@mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello All,

I've got to make some room in the workshop/shack, so this stuff needs a new home.

The SW40+ is a great little radio that I built in a Radio Shack enclosure. To the basic circuit, I added a switch which allows tuning the entire 40M CW band in two ranges. This is a fun rig and works very well. I'll even throw in a 40M halfwave dipole with 1:1 balun, a homebuilt 12V/1.5amp power supply, a TiCK CMOS keyer and a White Rook mini paddle. Shoot, all you need to do is add a license and you're on the air! I'm asking \$75.00 + actual cost of shipping for the radio whole station.

I also built the GM20 radio in a Radio Shack enclosure. This radio produces about 3 watts PEP of 20M SSB fun. Sorry, no antenna or power supply with this one. Asking \$80 + shipping for the White Mountain 20.

72,
DE KN4VN
Lee Jarvis

Date: Tue, 27 Jul 1999 20:47:45 +0000
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: wgabriel@dukeengineering.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46187] Re: 12V Gel Cell Charger - Addendum
Message-ID: <379E1AF1.71C0@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

wgabriel@dukeengineering.com wrote:

> <http://www.rason.org/Projects/gelcell/gelcell.htm>
>
> Arjen raised some interesting points. I probably could do a better job
> What he said is surely true - you can charge a gel cell or any other acid
> battery with just a regulated source and a current limit resistor. In fact you
> could even use a non-regulated source if chosen correctly. You can do it with a
> "wall wart" and a resistor.

At home I looked up the circuit that I was thinking about:

Starting from rectified AC from a 15 V transformer it has one L200 adjustable regulator IC, one Schottky power diode and a few resistors and capacitors.

The maximum output voltage is set with a trimmer and the current is limited to ca. 500 mA by means of a 1 Ohm series resistor (and feedback). The (Schottky) diode prevents reverse current into the charger when the battery is connected to the charger but the AC input goes away.

As the output voltage never rises above 13,8 V, this charger can be left connected to the battery indefinitely. The battery will not draw any appreciable current as long as it just sits there connected to the charger at 13,8 V. Any load will be supplied current from the charger until the charger current limit is reached, after which the battery will start supplying whatever extra current is needed within bounds. No need to disconnect this type of charger.

(Don't forget: This applies to lead-acid batteries only.)

> What really enters the picture is what you want to do with the battery, how you

> want to charge it, how long you want to take to charge it, and how much time you
> personally want to be involved. Hence, here comes the need for fast

A lead-acid battery will not be 100% charged when floated at 13,8 V.
However, the charger can be left connected to battery and load indefinitely.

Topping off to 100% is why more elaborate lead-acid battery chargers raise the voltage to ca. 14,6 V until the current taken by the battery drops to a low value, after which the voltage is reduced to it's floating value of 13,8 V (the UC3906 IC does this). However, one cannot have any appreciable load connected to this cyclic type of charging circuit as that would cause the charger circuit to stay in the top-off mode indefinitely.

> * The MAX 712/713 series were designed as NiCd/NiMH Battery Fast-Charge
> Controllers. (Hmmm - taking note of this!). Is designed to charge 1 to 16 cells
> in series. Fast charge rate can be set. Cutoff charge timer. Temperature and
> voltage slope detection and control during charge cycle. And has many other
> features. So, what the designer has done was apply this device as a lead acid
> charger with features.

As I understand it, this particular IC does not have features particularly conducive to smart charging a lead-acid battery. The time limit is an unnecessary feature that will actually prevent fully charging lead-acid battery with a larger capacity than what the current and time limit were set for. IMHO, a circuit like the one with an L200 that I attempted to described briefly above is more suitable, simpler and applies to a greater range of lead-acid battery capacities.

Might order

> some MAX712s from Digi-Key and play sometime. Ain't real cheep tho - 'bout \$7 a
> pop.

What price would a L200 regulator IC or similar regulator IC with adjustable voltage and adjustable current limit be?

Further discussion welcome, hi.

Perhaps an Elecraft K2 user is willing to explain what type of charging circuit and instructions for use the K2 battery option contains.

73,

Arjen, OH2ZAZ

--

Arjen Raateland

SAS Support
Finnish Environment Institute, Helsinki

AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Tue, 27 Jul 1999 17:13:11 -0400
From: Lee Jarvis <l2jarvis@mindspring.com>
To: qrp-l@Lehigh.EDU
Subject: [46188] FS: SW40+ and WM20
Message-ID: <3.0.6.32.19990727171311.007c7c80@mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sorry for the excess bandwidth, but I forgot a subject line....

Hello All,

I've got to make some room in the workshop/shack, so this stuff needs a new home.

The SW40+ is a great little radio that I built in a Radio Shack enclosure. To the basic circuit, I added a switch which allows tuning the entire 40M CW band in two ranges. This is a fun rig and works very well. I'll even throw in a 40M halfwave dipole with 1:1 balun, a homebuilt 12V/1.5amp power supply, a TiCK CMOS keyer and a White Rook mini paddle. Shoot, all you need to do is add a license and you're on the air! I'm asking \$75.00 + actual cost of shipping for the radio whole station.

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72,
DE KN4VN
Lee Jarvis

Date: Tue, 27 Jul 1999 17:53:16 -0400
From: Ted Beach <k4mkx@netzero.net>
To: qrp1 <qrp-l@lehigh.edu>
Subject: [46189] Identifying bipolar transistors [long]
Message-ID: <379E2A4C.78AC456C@netzero.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi, all!

A week or so ago someone was trying to identify the basing [pinout] of a fairly common bipolar transistor. Someone else [I don't keep e-mail forever!] provided the url for the supplier where .pdf files were available. Very fast turnaround on this list as I have seen many times before.

However. Was this the best possible response to the query? Sure, we got the answer, but what does one do when the internet is not handy, and we've forgotten the url?

I would propose a DIY approach to the identity question which I have used for a loooong time: If you have the device in hand, use an ohmmeter and your noodle to figure out the basing!

How? Easy!

First, you will need to identify the polarity of the leads of your ohmmeter. It is *most* important that you know which lead is positive and which negative. How do we do this? Two ways: 1) get a good marked diode, and check for the lowest ohm reading. The negative ohmmeter lead is connected to the cathode [marked] end of the diode. 2) get a voltmeter and measure the voltage! Use #1 if you don't have two meters.

BTW, methods will vary depending on whether you're using a digital or analog ohmmeter. In my experience, analog meters should be put on the X1K range for most testing purposes. Digital ohmmeters normally have a DIODE position, so use this setting. Most digital ohmmeters will **not** give a reading on a diode on any of the "real" ohms ranges [on purpose, so one can read resistors in transistor circuits without getting false readings]. In this same vein, I have found that analog ohmmeters I've used polarize the test leads backwards -- black is plus -- while digital meters are "normal" -- red lead is plus. Do be sure to test, however.

Bipolar transistors have but three leads: emitter, base, and collector. In addition, we can think of a bipolar transistor as being a pair of diodes, back to back:

$$\begin{array}{ccc} N \rightarrow | \langle - + \rangle | \rightarrow N & \text{and} & P \rightarrow | \langle - + \rangle | \rightarrow P \\ | & & | \\ P & & N \end{array}$$

What we need to do first is find which lead is the base. Nevermind that **most** T092 transistors terminals are e-b-c, we need to find who is which ourselves. Along with the ohmmeter, it would make life a lot easier if you had a couple of clip leads, or at least a clip on **one** of the ohmmeter's leads. Two clip leads is best.

With the ohmmeter on X1K [or DIODE], grab the two left-most transistor terminal leads and connect the ohmmeter. Polarity **really** doesn't matter here, but to keep things simple put the - lead on the outside terminal and the + lead on the middle terminal.

1). If you get a LOW reading, one of these terminals is the base, and the terminals are NPx. Move the + lead to the last terminal. If you get a LOW reading, you have the second diode, and the terminals are NPP, with the base on the left [a PNP transistor]. If your second test gets a HIGH reading, then you have a reverse-biased diode and the terminals are NPN, with the base in the middle. In either case, you do not know which terminal is the emitter, and which the collector. All you have done is identify the type [NPN/PNP] and the BASE terminal.

2). If you get a HIGH reading across the first terminals, you are across a reverse-biased diode **or** across the CE terminals. Move the + lead to the last terminal. If you get a LOW reading, you have found an NP diode so the terminals are NxP. Leave the + lead on the last terminal and move the - lead to the middle terminal. A LOW reading means a forward biased diode and we have NNP, denoting an NPN transistor with the base on the right. If the second reading is HIGH, you are across a reverse-biased diode and you thus have NPP, a PNP transistor with the base on the left.

3). Having now identified the base terminal and transistor type, how do we identify which terminals are collector and emitter? Still quite easy! Let's assume you have a PNP transistor. Leave the base terminal open and connect the ohmmeter to the other two terminals. Now comes the tricky part! Wet your finger and put it on the - ohmmeter lead and the base at the same time. If the - lead is on the collector, the ohmmeter reading will go down quite a bit. No change says you're backwards. Reverse the leads and try again. Good. + lead is emitter, - lead is collector.

Do the same to identify the NPN collector and emitter. This time put the wet finger between the + lead of the ohmmeter and the base. Your wet finger in these tests is providing forward bias for the transistor, and it will conduct more [lower resistance] when correctly biased.

If these steps don't work for you, either a) the transistor is bad, or b) it's not a bipolar transistor [perhaps a jfet?]. You can easily have SHORTED and/or OPEN junctions in a bad bipolar.

So, practice a bit, and if you have an ohmmeter, you can figure out any

bipolar transistor arrangement you might come across!

72/73

de Ted Beach - K4MKX

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Date: Tue, 27 Jul 1999 22:42:02 +0100
From: "Ted Williams" <tedw@btinternet.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [46190] Re: Q-dope substitute - more experimental results - and expert testimony
Message-ID: <013001bed87b\$a3f56ce0\$24feabc3@btinternet>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Jim:

Your results in treating expanded polystyrene with acetone agrees with my own experience. It's a dead duck!
Chloroform works very well.

May I, however, point out the the g-qrp club keeps a stock of beeswax in blocks. Now, melt that down and dunk your coil like a doughnut (I can't bring myself to write 'donut') and you'll really get things humming ;-))

Easy to remove turns and to patch. More lossy than polystyrene, (but much better than plexiglass) and not much effect on the relatively low Q of a coil, I would think.

For interest, when you peeled of the goo, did the coil revert to your original values?

Keep up the good work.

72 Ted GOULL

Date: Tue, 27 Jul 1999 18:03:13 -0400
From: Todd McCoy <kb4dpf@qsl.net>
To: Arjen.Raateland@vyh.fi
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46191] Re: Ethernet terminator for dummy load
Message-ID: <379E2CA0.7E5173C5@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Arjen Raateland wrote:

> Fitting a (transistor) heat-sink should make them even better. I've
> never tried and the exact dimensions do differ from one to the other.

The ones I got from a "show" vendor are in a metal case. I had not thought of using them as dummy loads, but it seems like a good idea. Also the metal ones would be even easier to adapt a heat-sink for.

--
Todd McCoy: QRP-L #1823 | 10-X 70500
KB4DPF - Gloucester Co., Virginia
37.2950 N, 76.4154 W | Grid: FM17
<http://www.qsl.net/kb4dpf>

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Date: Wed, 28 Jul 1999 08:15:46 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46192] O.T. NETDUMMY HUMOR
Message-ID: <379E2F92.A96C5A10@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

NETDUMMY HUMOUR

If Microsoft Built Cars...

- Macintosh would make a car that was powered by the sun, was reliable, five times as fast, twice as easy to drive, but would only run on five percent of the roads.
- You could only have one person in the car at a time, unless you bought "Car95" or "CarNT". But, then you would have to buy more seats.
- Macintosh car owners would get expensive Microsoft upgrades to their cars, which would make their cars run much slower.
- The oil, gas and alternator warning lights would be replaced by a single "general car default" warning light.

73's

Ian Purdie

VK2TIP "I'll give you the TIP mate"

Budgewoi N.S.W. Australia

Tel: 61 + 2 + 4399 3228 (2200 - 0800 U.T.C. please.)

QRP-L member #1978.

URL - <http://www.integritynet.com.au/~purdic/>

URL - <http://www.qsl.net/vk2tip/>

"Three out of five Web experts agree that frames are the work of the devil and represent all that is evil about the Web. The remaining two experts are agnostic and think that frames are just a stupid idea" -

Date: Tue, 27 Jul 1999 16:15:28 -0600

From: Bruce Kizerian <kizerian@ced.utah.edu>

To: tedw@btinternet.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [46193] Re: Q-dope substitute

Message-ID: <379E2F80.5FFD5857@ced.utah.edu>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Try "clear" non-yellow hot glue. Avoid colored pigments. I think hot glue works well, but I have been wrong before. So, you probably should test it.

Bruce kk7zz

Date: Tue, 27 Jul 1999 18:10:26 -0400
From: Todd McCoy <kb4dpf@qsl.net>
To: kb3dzh@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [46194] Re: homebrew G5RV antenna?
Message-ID: <379E2E52.69CA3FD@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

David J Zolin wrote:

> I am relatively new to this list. Saw a few G5RVs at a hamfest for ~\$30.
> Is this a good price? Can it be homebrewed for less? If so, where are
> the plans to be found?
>

You might be able to save a couple dollars home-brewing, but I doubt the cost would be much less than \$30.00.
Now the experience and satisfaction of building it yourself is a whole other matter.

SOME IDEAS ON THE G5RV

The G5RV multiband antenna is a very popular design on the HF bands. The "common" G5RV is configured as a 3/2-wave dipole on 20 meters, and works as either a shortened dipole, or a collinear-fed long wire on the other bands. In this configuration, the overall length is 102 ft, with a 28 to 34 ft matching line. In some cases, this is still too large to fit in one's yard, and not everyone can convince their neighbors to allow one to stretch the wire across property lines. In this case, a 1/2-size version, covering 7 to 28 MHz is useable. Conversely, some amateurs would like to have 1.8 MHz capability, and have the 204 ft length necessary for this array. I have dimensions included here for both the

half-size, and double-size G5RV antennas.

Bands.....1.8-28 MHz....3.5-28 MHz...7.0-28 MHz

Flat-top.....204 ft.....102 ft.....51 ft

MATCHING LINES

Open wire.....67.3 ft.....34 ft.....17 ft

Ladder line.....62.4 ft.....31.5 ft.....21.2 ft

"TV" twin lead.....56.9 ft.....28.5 ft.....14.4 ft

[All of the above-mentioned antennas will work on the 6 Meter band,
sometimes without
an ATU.]

Of the listed antennas above, the 7-28 MHz version was referred to in Louis,
G5RV's
article in the ARRL "ANTENNA COMPENDIUM" Volume 1, the 1.8 - 28 MHz version
is
in use at Evhan, WB2ELB's QTH, (with a single feedline, directly matched with
the
internal ATU in his Kenwood, I am also running the double-scale G5RV here on
160 - 6
Meters and the 3.5-28 MHz version in use by more local hams than I can
remember right
now.

Just for reference, the ladder line is available at most amateur dealers,
over-the-counter,
or mail-order, and the polycarbonate (Lucite) plastic for the spreaders for
home-built
open wire is available at any major plastic supplier at scrap prices here in
Rochester.

If you have any questions on the G5RV, parts, reference books, Etc, drop me
a line, on
packet at WB2VU0@WB2VPH.#WNY.NY.USA.NOAM, or call on the phone,
(716)494-1239...73, Keith

Keith, WB2VU0, QRP-L #582

Trustee, KB2YTW/B 10 Mtr Beacon (28.2860 MHz)

"In the Depths of the Great Bergen Swamp...FN13ac"

Thanks to Keith WB2VOU for passing on the information.

Frank G3YCC

Snagged from:

<http://www.homeusers.prestel.co.uk/g3ycc/more5rv.htm>

--

Todd McCoy: QRP-L #1823 | 10-X 70500

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<http://www.qsl.net/kb4dpf>

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Date: Wed, 28 Jul 1999 08:31:13 +1000

From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [46195] System Computer Clocks on PCs

Message-ID: <379E3331.9087FE8C@integritynet.com.au>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Mines updated to within milli-seconds each time I connect to the
internet via
a program I use.

e.g. look at the time of this transmission - my SocketWatch by Locutus
Codeware tells me that it corrected:

1.217 secs @ 07:52:55 (28?7/99)

That gives you an indication of how far out my PC's clock became over
about a 20 hour period (last correction).

Here's a copy of their blurb from the help file:

Why SocketWatch:

SocketWatch will analyze its exhaustive list of time servers all over the world, and heuristically choose the best time server for you.

SocketWatch works by monitoring your dial-up connections and setting the time once you are connected for any other purpose.

Integrated with Windows time zone and daylight time features. Requires no further settings.

Does not call long distance time signal numbers. Gets the time over the Internet.

Does not make unnecessary connections to your Internet Service Provider.

Ideal if you already periodically connect to check/read your mail or other purpose. Will piggyback to any network client operation.

Integrated with built-in Dial-up Networking. Will use your existing Dial-up Networking and TCP/IP settings.

Requires no further settings.

Silent background operation. Easy access to features via a system tray icon.

Anyone wanting this program which costs \$US10 and can be paid for on line go to:

<http://www.locutuscodeware.com/>

73's

Ian Purdie

VK2TIP "I'll give you the TIP mate"

Budgewoi N.S.W. Australia

Tel: 61 + 2 + 4399 3228 (2200 - 0800 U.T.C. please.)

QRP-L member #1978.

URL - <http://www.integritynet.com.au/~purdic/>

URL - <http://www.qsl.net/vk2tip/>

"Three out of five Web experts agree that frames are the work of the devil and represent all that is evil about the Web. The remaining two experts are agnostic and think that frames are just a stupid idea" -

Date: Tue, 27 Jul 1999 15:34:05 -0700

From: "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>

To: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>

Cc: qrp-l@lehigh.edu

Subject: [46196] Re: O.T. NETDUMMY HUMOR

Message-ID: <19990727153405.A32695@dolphin.openprojects.net>

Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On Wed, Jul 28, 1999 at 08:15:46AM +1000, Ian C. Purdie VK2TIP wrote:
> - The oil, gas and alternator warning lights would be replaced by a
> single "general car default" warning light.

General Car Fault, not Default. :)

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13         |      Samuel A. Falvo II
      QRP-L #1447   |      http://www.dolphin.openprojects.net
      Oceanside, CA |.....
```

Date: Tue, 27 Jul 1999 18:36:17 EDT
From: Davewb4@aol.com
To: qrp-l@lehigh.edu
Subject: [46197] Toner Transfer System
Message-ID: <8da4e886.24cf8e61@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang: has anyone used the "Toner Transfer System" for making one off PC boards? If so how were the results?
73
Dave Rogers
WB4CHK
Plantation, FL

Date: Tue, 27 Jul 1999 15:39:28 -0700
From: "Phinizy, William" <wphinizy@filenet.com>
To: "'QRP-l List Server'" <qrp-l@Lehigh.edu>
Subject: [46198] Paddle handles broken or unattractive?
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F01DE02A4@hq-expo2.filenet.com>

This is *not* an original idea, but for a set of paddles whose plastic or wooden handles (paddles?) have broken or otherwise disintegrated, zoom down to a music store or guitar shop and paw through their collection of picks. There are some that are surprisingly stiff and attractively colored (coloured, for those in Canada and the U.K.). It sure saves the aggravation of getting two pieces of plexiglas or wood identical size, shapes, etc. and

reduces one's efforts to drilling the appropriate holes..

..it's kind of a cheezy look for \$100+ Benchers, Vibroplexes, or other such pricey instruments, but for those homebrew or more modestly priced paddles, it is just the ticket..

Date: Tue, 27 Jul 1999 18:40:37 -0400
From: david fouchey <dafouchey@home.com>
To: kb4dpf@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [46199] Re: Ethernet terminator for dummy load
Message-ID: <379E3565.129EF9D4@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The ones I have are also the metal ones and a T0-5 heat sink fits them just fine. Haven't tried them much above 5 watts though.

Dave
WA4EMR

Todd McCoy wrote:

>
> Arjen Raateland wrote:
>
> > Fitting a (transistor) heat-sink should make them even better. I've
> > never tried and the exact dimensions do differ from one to the other.
>
> The ones I got from a "show" vendor are in a metal case. I had not thought of
> using them as dummy loads, but it seems like a good idea. Also the metal ones
> would be even easier to adapt a heat-sink for.
>
> --
> Todd McCoy: QRP-L #1823 | 10-X 70500
> KB4DPF - Gloucester Co., Virginia
> 37.2950 N, 76.4154 W | Grid: FM17
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>
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Date: Tue, 27 Jul 1999 16:45:37 -0600
From: "Marshall Emm" <mgemm@ntechnologies.com>
To: bowerm@ix.netcom.com, qrp-1@lehigh.edu
Subject: [46200] Re: OT: Why no credit cards?
Message-ID: <199907272240.QAA17505@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Hi, Micnael, Gang...

>>I've noticed that very few of the dealers for QRP "stuff" will accept credit cards. Is this strictly economics of the sale or are Ham Radio people not good credit risks? I hope the former.<<

Mostly the former. Although (I guess you're a case in point) most of us are so used to being able to call somebody and give them a card order that writing a check and mailing becomes a real hassle.

What I found was that offering card facilities (and toll-free ordering) generated entirely new economics. But I have a diversified business and would probably look at it a lot differently if I only had a couple of products to sell to what is ultimately a pretty limited market.

But for the record, here's the lineup--

The banks won't touch you, unless you have been in business for at least a couple years, do all your banking with them, and (sometimes) are prepared to post a \$10K cash deposit. And even then you WILL NOT be allowed to take mail, phone, or internet orders. "Maybe after a few years," they told me. Their discount rates are high, and so are their setup charges and fees.

There are independents out there, and often the service is co-ordinated by a broker who will take a cut somewhere along the line in application fees, and or the sale of software. It might be possible to track one of these down through an Internet search.

There is card processing software that runs on a PC, and works pretty much like the rented terminals that the banks want to lease you.

Easiest to set up is on the Internet, where you either (a) log onto their server to to process the card transaction or (b) they host your on-line ordering page. These look expensive on the face of it but when you avoid the application fee, the software cost, and the hassles of a more traditional approach they become more attractive. Again, an internet search should turn up several. One that looks pretty reasonable is <http://www.cardacceptance.com>

but please note I have NOT checked them out, don't know any of their customers, and this is NOT a recommendation. Prices for these services are coming down, I have noticed, no doubt due to expanding competition.

There are two critical questions the prospective merchant has to ask-- how many sales will card service generate that would have been missed otherwise, and are they worth the cost. In my case the answers are plenty and yes, but your mileage may vary.

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

Morse Express and Oak Hills Research

"Everything for the Morse Enthusiast"

<http://www.MorseX.com>

<http://www.ohr.com>

(303)752-3382

--

Date: Tue, 27 Jul 1999 15:47:17 -0700

From: "Phinizy, William" <wphinizy@filenet.com>

To: "'QRP-l List Server'" <qrp-l@Lehigh.edu>

Subject: [46201] RE: 2n2/40

Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F01DE02A5@hq-expo2.filenet.com>

..while I cannot comment on the kit from Dan's, I heartily recommend the QRPp Winter 1998 reprint and the "masked" PC board offered by the AZ ScQRPions for \$10 and \$5 respectively. The former is an extremely handsome document done by NorCal, K8IQY, NA5N, and others and well worth the investment. With that, you should be able to set the board up and begin the build-and-test procedure while accumulating the components.

..no affiliation (other than a pending renewal in NorCal), just a satisfied customer..

End of QRP-L Digest 1530
